

U.S. Department of Transportation

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Federal Aviation Administration





January 4, 1998 - January 10, 1998

Summary

GENERAL AVIATION, ZAC-327

You can improve Air Safety by reporting the problem when you see it!

SECTION

- I Significant Occurence Report
- II Domestic Service Difficulty Report
- **III** International Service Difficulty Report
- IV SDR Totals by District Office
- V Index By Aircraft Make and Model
- VI Joint Aircraft System/Component Code Table



SDR SUMMARY

General Aviation, ZAC-327



This summary includes domestic (United States) Service Difficulty Reports (SDRs) entered into the data base for aircraft weighing 12,500 lbs. and below. It also includes reports on aeronautical products (engines, propellers, and components), and all helicopters. A separate section for International SDRs for aircraft weighing 12,500 lbs. and under has also been included. Under a data exchange agreement, International SDRs are submitted to the FAA by the Civil Aviation Authority of other countries (currently, Canada - CAN, and Australia - AUS). All reports are sorted by aircraft make, model group (basic model), and Joint Aircraft System/Component (JASC) code. Within each aircraft model group, the specific model shown may vary, but similar types of reports will be grouped together and listed in ascending order by their JASC code. Each field contains all information submitted to the FAA. Some fields are not included in order to make the summary easier to read. Additional information may be obtained by referring to the "operator control number." Send your request to the Aviation Data Systems Branch, AFS-620 at the address or phone below.

The Regulatory Support Division (AFS-600) has established a "HomePage" on the Internet through which the same information is available. There is a large quantity of other information available through the AFS-600 HomePage such as the most current SDR system codes (i.e., Joint Aircraft System\Component Codes). The SDR Question and Answer Section of the Summary will also be transferred to the AFS-600 HomePage to simplify the process of preparing the SDR Summaries in the PDF format each week. There are "hot buttons" to take you to other locations and sites where FAA Flight Standards Service Information is available. The AFS-600 "HomePage" address is:

http://www.mmac.jccbi.gov/afs/afs600

"The Service Difficulty Reports in this publication are derived from unverified information submitted by the aviation community without FAA verification for accuracy. The number of SDRs submitted is not an indication of the mechanical reliability or fitness of an airline or individual operator, and the information should not be used as such."

Comments are welcomed and may be directed to:

Federal Aviation Administration Aviation Data Systems Branch, AFS-620 P.O. Box 25082 Oklahoma City, OK 73125-5029

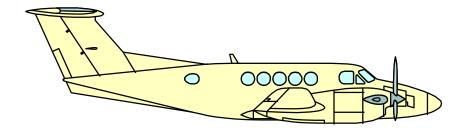
Phone: (405) 954-4171, Fax: (405) 954-4748

Your continued participation is essential and is an integral part of ensuring aviation safety. Thank you for supporting the Service Difficulty Program! If you have any questions regarding this special notice you can contact John Jackson at (405) 954-6486, or Jim Gillespie at (405) 954-1141, or Blake McDonald at (405) 954-0307 in the Aviation Systems Branch (AFS-620). Their E-mail addresses are:

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SIGNIFICANT OCCURRENCE REPORT





THE SIGNIFICANT OCCURRENCE REPORT



The Significant Occurrence Report is a compilation all of the star bordered reports that appear in the General Aviation Service Difficulty Report (SDR) Summary, ZAC-327. The Significant Occurrence Report is used to highlight industry problem areas to field inspectors and the aviation public.

Limited analysis is performed by the Aviation Data Systems Branch, AFS-620 during the preparation of the "Significant Occurrence Report", which is generated each week and is included in the front of the Air Carrier SDR Summary. Significant Reports are hand selected by AFS-620's inspectors based on the individual merit of each report. The criteria for selection includes, but is not limited to, items that indicate high failure rates; items related to accidents or incidents; or design or maintenance failures which may affect the safe operation of the aircraft.

In some cases, this limited analysis of SDR data leads to the preparation of information bulletins which are routed to the appropriate product certification office for further investigation of the problem. The end result may be the issuance of an airworthiness directive (AD) by the Aircraft Certification Service (AIR) if warranted.

The Significant Occurrence Report (section I) of the weekly SDR Summary is not intended to be a summary of all significant events and should not be used as such. We recommend that you review further the applicable sections of the SDR summary that may be of interest.

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2721	540FT	AMTR				SWITCH	STUCK		11/16/97
	2107	GLASAIRIII					RUDDER TRIM		97ZZZX5135
****							EOFF ABORTED. AFTER MATELY 1 OUT OF 10 ACTUAT		
7322	999TD	AMTR	LYC			SERVO	CORRODED		11/1/97
	1546	LONG EZ	IO360A1B6			2524054	FUEL INJECTION		98ZZZX58
****	DURING FLIGHT, AND LACK OF LU		OWER FOLLOWING A	ONE 'G' POSITIVE M.	ANEUVER. INVEST	IGATION FOUND FUEL IN	JECTION SERVO WAS HANC	GING UP. SU	SPECT CORROSION
6122	924RM	BEECH				GOVERNOR	FAILED		12/19/97
	BE63	B100			WOODWARD	8210260	PROPELLER	294	98ZZZX94
****	OF THE PROP GO	VERNOR SPLINED SHA	FT. THE MOUNT BOI	LT WAS STILL SECUR	E IN THE ARM. TH	IS IS THE SECOND OCCUR	ED. UPON INSPECTION, FO RENCE OF A B-100, ONE FA HAT THE MOUNT BOLT BE	ILED ARM F	IAD A SAFETY AND
5741	6049L	BEECH				FITTING	CRACKED	10063	10/19/97
	ME202	76				1054200113	LT WING ATTACH		98ZZZX51
****	INSPECTION FOU	ND LEFT WING ATTAC	H FITTING CRACKEI	О.					
5741	272BA	BEECH				FITTING	CRACKED		9/9/97
	ME90	76				1054200113	LT WING ATTACH		98ZZZX44
****	INSPECTION FOU	ND LEFT AND RIGHT V	VING ATTACH FITTI	NGS CRACKED.					
7322	47AH	BELL	LYC			BELLOWS	FAILED		10/28/97
	2645	47G3B	TVO435A1A		MA6AA	293548	CARB MIXTURE	1086	98ZZZX84
****	(MODEL MA-6AA, DOWN INSPECTION	, SN AH-1-383) CARBUR	ETOR WAS BENCH T ESIN ADHESIVE MISS	ESTED BY THE NTSE SING. THIS ADHESIVE	S AND WOULD ONL E LOCKS THE BELL	Y PERFORM APPROXIMAT	NOT OPERATE ABOVE 1500 FELY 50 PERCENT CAPACIT HE AUTOMATIC MIXTURE	Y. DURING	CARBURETOR TEAR
7120	2770Q	CESSNA				MOUNT BOLT	DETACHED		12/1/97
	18257970	182K					ENGINE		98ZZZX45
****	DURING OIL FILT NOT PROPERLY T		ORD MOUNT BOLT	WAS FOUND DETACE	HED. OTHER 3 BOL	TS WERE NOT TO TORQUE	E. ENGINE INSTALLED IN 19	988 AND IT I	S SUSPECT BOLTS
2820	410GV	CESSNA				LINE	CHAFED	397	12/1/97
	208B0632	208B				26001017	LT/RT FUEL		98ZZZX156
****	COMPARTMENT.		FING LINE, BOLT TU				OLTS RETAINING A SEAL I OTH SIDES OF AIRCRAFT R		
7602	4345X	CESSNA				CABLE	DEFECTIVE		11/8/97
	21058033	210B				S12203	MIXTURE		98ZZZX32
****	UPON INSTALLAT HOURS ON PART.	- ', ' - ' - ' - ' - ' - ' - ' - ' - ' -	JRE CABLES FROM C	ESSNA WERE FOUNI	DEFECTIVE IN TH	E VERNIER LOCK WHICH	COULD CAUSE THE MIXTU	RE TO FLOA	T OR JAM. ZERO

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2720	9739D	CESSNA				SUPPORT ASSY	CRACKED		12/26/97
	3370466	337A				151350014	RUDDER BAR		98ZZZX154
****	RUDDER BAR SUF		OWING RUDDER BAI	R TO WANDER WHEF	REVER IT WANTED	TO GO. AIRCRAFT HAS HI	CONTROL INPUTS. INSPEC STORY OF LANDING ACCII		
5540	4441T	CESSNA				BEARING	CORRODED	4461	12/17/97
	4410133	441				MS244624	RUDDER HINGE		98ZZZX147
****					,		., NEEDLES FELL OUT. PRE BEARINGS ARE INSPECTEI	,	
6120	690HT	GULSTM			AIRESRCH	CAM ASSY	WORN		12/18/97
	11467	690B			8954812	8954752	PROP PITCH CNTRL	2138	98ZZZX109
****	SLOT AND PIN ON		5. THERE IS LITTLE				LLER PITCH CONTROL REV CHEDULED INSPECTION AT		
6122	690HT	GULSTM			WOODWARD	GOVERNOR	FAILED		12/18/97
	11467	690B				8954908	PROPELLER	2138	98ZZZX112
	TURBINE BEARIN FEATHERED MAN	G OIL JET, CONTAMIN UALLY.		•		MAKING IT IMPOSSIBLE F	JPPLY TO POSITIVE SIDE O FOR NTS SYSTEM TO FUNC		ROP COULD NOT BE
7603	71329	LUSCOM				CONTROL	FAILED		11/24/97
	2756	8A					THROTTLE		98ZZZX36
****	RIGID THROTTLE						ONTROL. INVESTIGATION ING. RECOMMEND CLOSE		
2820	78987	MOONEY				LINE	CHAFED	2600	12/1/97
	2021	M20C					GASCOLATOR		98ZZZX152
****	CLOSE TO THIS LI	INE WHERE IT GOES T	ROUGH THE FIREW	ALL. AREA IS VERY	DIFFICULT TO INSE		D BY CARBURETOR HEAT (DR AND FLASHLIGHT. CHA L CABLE.		
7820	8452P	PIPER				MUFFLER	CRACKED		12/6/97
	2627	PA24400				2448401	RT SIDE	624	98ZZZX39
****		FAILED CAUSING CAR FRECEIVED MINOR IN					W FOR 1.9 HOURS UNTIL FU	JEL EXHAUS	TION, LANDED IN
2436	2819A	PIPER			ELECTROSYS	REGULATOR	SHORTED	5	12/9/97
	287990468	PA28181				VR371	ALTERNATOR		98ZZZX46
****	REVEALED LARG COULD HAVE BEI CALLS OUT GROU	E RESISTOR FOUND IN EN AN EASY FATAL. F JND BE ATTACHED TO	SIDE UNIT UNATTAC OUND PMA HOLDER REGULATOR. ELEC	CHED. IT APPEARS R OF VOLTAGE REGUI FROSYSTEMS REP ST	ESISTOR WAS NOT LATOR, ELECTROSY FATED GROUND MU	PROPERLY ATTACHED TO STEMS, CALLS FOR GRO	OS TO PRODUCE HEAVY SM O C/B. IF ACFT WAS OPERA UND TO BE ATTACHED DIR IATOR. IT IS UNKNOWN IF OLDER CONNECTIONS.	ATING IN IFR ECTLY TO A	CONDITIONS, IT LTERNATOR. PIPER

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3211	33138	PIPER				ATTACH BOLT	BROKEN		11/20/97
	287525161	PA28140					LT MLG		98ZZZX97
****	OCCURRENCE FOU	JND ON TWO AIRCRA	FT, AND THE DEFECT	Γ WAS IN THE LEFT N	ALG IN BOTH CASES	DED AND ONE BROKEN O S. THE BOLTS (UPPER ANI RE ALSO BROKEN). THIS	D LOWER) WERE CORROD	ED. IN BOTH	I CASES, THEY WERE
3230	36458	PIPER				SPRING	FAILED		11/10/97
	28R7837279	PA28R201				6716800	NLG STRUT		98ZZZX110
****	INNER SPRING BRI OUTER SPRING AN PREVENTING OUT	EAKING. WHEN THE INDICAUSING IT TO RE	NNER SPRING BROK MAIN AT A LENGTH (LING NLG TO A DOW	E AT UPPER HOOK E OF 11 INCHES INSTEA VN AND LOCKED POS	ND, THIS BROKEN E AD OF A CLOSED LE SITION. SUBMITTER	DOWN AND LOCK. UPON END CAUGHT OUTER SPRI ENGTH OF 8 INCHES. THIS R STATED INNER SPRING I	NG COIL 2/3 OF THE LENG CAUSED OUTER SPRING	TH OF THE S TO BEND IN	PRING JAMMING ΓΟ A V-SHAPE
5711	8368H	PIPER				SPAR	CORRODED	5560	12/12/97
	28R8118062	PA28RT201					WING FUEL AREA		98ZZZX8
****	REPAIRED LEAK, O		ED CORROSION AND	PAINTED AREA WIT	TH CHEMICAL RESIS	OR FUEL LEAKS AND SUR STANT EPOXY ZINC CHRO			
6114		PIPER	LYC	HARTZL		HUB BACK PLATE	CRACKED	7	2/27/97
		PA31	TIO540A2B	HCE3YR2	CA4393308	1654	PROP		CA970318004
****	SINCE THEY REPL	ACED THE HUB AND A	ARE UNABLE TO FINI	O ANY FAULT. TOTAL	L TIME ON NEW STY	WESTERN PROP HAS INSF YLE HUB IS 136.0 HOURS. T AND THE 4TH AT 136.0 HO	TIME OF FOLLOWING FAIL		
2150	57MR	PIPER				FAN	FAILED		12/11/97
	31T7620022	PA31T			5134900	460102	A/C CONDENSER		98ZZZX7
****	CONTINUED. DEC CONDENSER IMPE	ISION WAS MADE TO	SHUT DOWN RT ENG D FROM CONDENSEF	INE AND PROBLEM S	SUBSIDED. AIRCRA	OITIONING CONDENSER A FT HAD UNEVENTFUL LA ENERATOR WIRE FROM TI	NDING. AN INVESTIGATION	ON REVEALE	ED AIR CONDITIONER
3233	CGHJL	SKRSKY				ACTUATOR	FAILED	19088	11/24/97
B8FR	760214	S76A			S76719441000	1944L200	NLG DOWNLOCK	80	98ZZZX87
****	AIRFRAME) WITH		ES. ACTUATOR NEW			R DOWN) CAUSING THE A ITIL REMOVAL 1997 FOR I			
5753	79Z	SOCATA				CARRIER	CRACKED	789	11/28/97
CB5Y	19	TBM700				T700A5755063101	FLAP BEARING		98ZZZX17
****	CRACKS WERE NO		SPECTION AREAS SI		-,	7, IT WAS NOTED THAT AI OCATED IN THE WEBS. AI			

Run Date: 15-Jan-98

FEDERAL AVIATION ADMINISTRATION SIGNIFICANT OCCURRENCE REPORT INDEX

Showing Specific Part Numbers and Aircraft Model by Year

FOR THE PERIOD OF: 1/4/98 To 1/10/98

PART NUMBER		<u>-</u>						YEA	R					
PART NAME	ACFT MODEL	TOTAL	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
1054200113														
FITTING	76	1				_			<u>-</u>				_	1
TOTAL of # 1054200	0113	1	-	-	-	-	-	-	-	-	-	-	-	1
151350014														
SUPPORT ASSY	337A	1				_			<u>-</u>				_	1
TOTAL of # 1513500)14	1	-	-	-	-	-	-	-	-	-	-	-	1
1654														
HUB BACK PLATE	PA31	1												1
TOTAL of # 1654		1	-	-	-	-	-	-	-	-	-	-	-	1
1944L200														
ACTUATOR	S76A	1												1
TOTAL of # 1944L2	00	1	-	-	-	-	-	-	-	-	-	-	-	1
2448401														
MUFFLER	PA24400	1												1
TOTAL of # 2448401	[1	-	-	-	-	-	-	-	-	-	-	-	1
2524054														
SERVO	LONG EZ	1												1
TOTAL of # 2524054	1	1	-	-	-	-	_		-	-	-	-	-	1
26001017														
LINE	208B	1												1
TOTAL of # 2600101	17	1	-	_	-	-	_	-	-	-	-	-	-	1
2719008001														
ACT, PITCH TRIM	SA227AC	1	-	-	-	-	-	1	-	-	-	-	-	-
A CTUATOD	G A 227 A C	2						1	1					
ACTUATOR	SA227AC	2						1	1					
TOTAL of # 2719008	8001	3	-	-	-	-	-	2	1	-	-	-	-	
293548	47.C2D													1
BELLOWS	47G3B	1	-	-	-	-	-	-	-	-	-	-	-	1

FAA SIGNIFICANT OCCURRENCE REPORT INDEX 1/4/98 To 1/10/98 (cont'd)

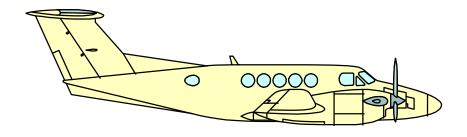
PART NUMBER		. <u>-</u>						YEA	AR .					
PART NAME	ACFT MODEL	TOTAL	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
TOTAL of # 293548 -		1												1
460102														
FAN	PA31T	1												1
TOTAL of # 460102 -		1	-	-	-	-	-	-	-	-	-	-	-	1
6082T17G01	240P													1
TURBINE	340B	1												1
TOTAL of # 6082T17	G01	1	-	-	-	-	-	-	-	-	-	-	-	1
6716800 SPRING	PA28R200	1	-	-	-	-	-	-	1	-	-	-	-	-
	PA28R201	1												1
TOTAL of # 6716800		2	-	-	-	-	-	-	1	-	-	-	-	1
785000 SHOCK MOUNT	unknown	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # 785000 -		1	-		-	-	_	_		_		_		1
8210260														
GOVERNOR	B100	1	-	-	-	-	-	-	-	-	-	-	-	1
	SA226AT	1	-	-	-	-	-	-	-	-	-	-	1	-
PROP GOVERNOR	SA226TC	1	-	-	-	-	-	-	-	1	-	-	-	-
TOTAL of # 8210260		3								1			1	1
8336102														
OXYGEN UNIT	G1159A	1												1
TOTAL of # 8336102		1	-	-	-	-	-	-	-	-	-	-	-	1
8954752 CAM	690A	1	-	-	-	1	-	-	-	-	-	-	-	-
CAM ASSY	690B	1	_	_	-	_	-	-	_	-	-	-	-	1
TOTAL of # 8954752		2				1								1
8954908 GOVERNOR	690B	1	_	_	_	_	_	_	_	_	_	_	_	1
TOTAL of # 8954908		1												1

FAA SIGNIFICANT OCCURRENCE REPORT INDEX 1/4/98 To 1/10/98 (cont'd)

PART NUMBER								YEA	R					
PART NAME	ACFT MODEL	TOTAL	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MS244624														
BEARING	180K	1	-	-	-	1	-	-	-	-	-	-	-	-
	208B	1	-	-	-	-	-	-	-	-	-	-	1	-
	441	1	-	-	-	-	-	-	-	-	-	-	-	1
BEARINGS	441	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # MS244624	4	4				1							1	2
NAS35860900 PUSH ROD	35A	1	-	-	-	-	-	-	-	-	-	-	-	1
TUBE	35A	1	-	-	-	-	-	-	-	-	-	-	1	-
TOTAL of # NAS3586	0900	2	-				-						1	1
S12203														
CABLE	210B	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # S12203		1			-	_			-		-		_	1
T700A5755063101														
CARRIER	TBM700	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # T700A575	55063101	1	_								_		_	1
VR371														
REGULATOR	PA28181	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # VR371		1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL for ALL (31) PAR' END OF SIGNIFICANT OCCU		32	-	-	-	2	-	2	2	1	-	-	3	22



DOMESTIC SERVICE DIFFICULTY REPORT



ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7931	239PT	AMTR				SWITCH	LEAK	149	11/1/97
	597	NORTHMAN2+2				K3PS4020	OIL PRESSURE		98ZZZX10
		HTING FOR A 2-1/2 HOU				EAK OIL FROM ONE ELECTI GE OIL LEAK. ENGINE WAS			
2721	540FT	AMTR				SWITCH	STUCK		11/16/97
	2107	GLASAIRIII					RUDDER TRIM		97ZZZX5135
****						ING TAKEOFF ROLL. TAKE DUPLICATED APPROXIMAT			
5711	117ME	BEECH				SPAR	CORRODED		10/3/97
NI2R	BA638	H18					RT WS 32		98ZZZX30
	CORROSION REV	EALED ON FRONT SPA	R LT WS 32, WS 46, A	ND WS 81 AND RT W	S 32.				
5711	117ME	BEECH				SPAR	CORRODED		10/3/97
NI2R	BA638	H18					LT WS 32,46,81		98ZZZX29
	CORROSION REV	EALED ON FRONT SPA	R LT WS 32, WS 46, A	ND WS 81 AND RT W	S 32. REF: AD 75-27	-09 R2 AND AMDT 39-3878.			
5711	445DM	ВЕЕСН				SPAR	CORRODED		10/3/97
NI2R	AF152	TC45G					LT WS 32 THRU 81		98ZZZX33
	CORROSION FOU	ND ON FRONT SPART,	LT WING STATIONS	32, 46, 57, 60, 62, 64, A	ND 81, AND RT WIN	IG STATION 32. REF: AD75	-27-09 R2 AND AMDT 39-38	378.	
5711	445DM	BEECH				SPAR	CORRODED		10/3/97
NI2R	AF152	TC45G					RT WS 32		98ZZZX34
	CORROSION FOU	ND ON FRONT SPAR, L	Γ WING STATIONS 32	2, 46, 57, 60, 62, 64, AN	ID 81, AND RT WINC	STATION 32. REF: AD75-2	27-09 R2 AND AMDT 39-387	8.	
2931	981LL	BEECH				GAUGE	FAILED	392	12/11/97
LX5R	BB602	200BEECH					HYD ACCUM IND		98ZZZX21
		ART OF STC SA 4378WP I.G. FOR INDICATION.				ON SYSTEM. WITH ZERO P E USED IN SYSTEM.	RESSURE IN ACCUMULAT	OR, THIS GA	AUGE WAS STILL
3230	202AJ	BEECH			FAFNIR	BEARING	FROZEN	10900	12/15/97
MZ4R	BB511	200BEECH				KP16BS	MLG TORQ TUBE		98ZZZX125
	KP16BS BEARING		RUSTED IN ITS SUPP	ORT PLATE WHILE T		OF TORQUE TUBE UNIVER R PN 101-810021-9, SPUN ON			
3230	981LL	BEECH			GARKENYON	RESTRICTOR VALVE	FAILED	6236	12/11/97
LX5R	BB602	200BEECH				92467	HYDRAULIC MLG		98ZZZX23
	THIS UNIT IS PAR	T OF STC SA4378WP AV	IADESIGN, INC., HYI	DRAULIC LANDING	GEAR SYSTEM. FOU	JND INTERNAL SCREEN BR	OKEN OFF.		
3230	981LL	BEECH				DRAG BRACE	CORRODED		12/5/97
LX5R	BB602	200BEECH					MLG RT		98ZZZX22
		S EQUIPPED WITH AVI	ADESIGN INC., HYDR	AULIC LANDING GE	AR SYSTEM. NO DO	OWN AND LOCKED INDICAT		NDING GEAI	R. SUSPECT CAUSE:
	FOUND CORROSION RECOMMENDED	ON ON DRAG BRACE A	SSEMBLY PIVOT BOI HCRAFT'S LANDING	LTS CREATING BIND GEAR LUBRICATION	ING SITUATION AN	D NOT ALLOWING LOCKIN RECOMMEND DRAG BRACE	IG MECHANISM TO LOCK	COMPLETE	LY. SUBMITTER

OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3510	63791	BEECH				TUBE ASSY	LEAK	6533	12/3/97
	BB1100	B200				1015601401	OXYGEN SYSTEM		98ZZZX13
	OXYGEN SYSTEN CRACKED IN 2 PI		OUND B-NUT CRACK	ED AT AFT BULKHE	AD ATTACHMENT (3 PLACES). FURTHER INS	SPECTION REVEALED B-NUT	Γ AT T-FITT	ING ATTACHMENT
2810	66514	BEECH				FLUSH VENT	BLOCKED	2600	11/10/97
	E1522	A36				4149200223	RT FUEL TANK		98ZZZX139
	STARTED, AND R	AN FLAWLESSLY. THE NT WAS FOUND BLOCK	E PILOT TOOK OFF A	ND RETURNED TO BA	ASE WITHOUT FURT	THER INCIDENT. UPON DE	EVEALED NO OBVIOUS DEF ETAILED EXAMINATION OF EEN EXPERIENCED TWICE I	FUEL SYST	EM, THE RT FUEL
7602	12CM	BEECH				CABLE	FAILED	57	10/4/97
EBTR	TC300	95A55				5038901021	ENGINE MIXTURE		98ZZZX116
		E FAILED ON SHUT DOW . CANNOT INSPECT HE					NDER SHEATH WELD BROK	E THAT SEC	CURES SOLID END TO
5740	341D	BEECH				FITTING	DAMAGED		12/12/97
	P397	B60				60110000	LT/RT WING		98ZZZX88
	CONTACTED PER		SPECIAL TOOLING A	*			COMPRESSION MARKS. BE ED OWNERS CONFORM TO		
2140	6046U	BEECH				SOLENOID	FAILED	120	12/13/97
2140	6046U ME195	BEECH 76				SOLENOID 83D512	FAILED HEATER FUEL	120	12/13/97 98ZZZX149
2140	ME195 COMPLAINT OF C CONTROL SWITC	76 OVERHEAT AND SHUT	NOID NOT CLOSING.	OVERTEMP SENSOR	R WOULD THEN POP	83D512 GATION OF HEATER OPER		OT SHUTTI	98ZZZX149 NG DOWN WITH TEM
	ME195 COMPLAINT OF C CONTROL SWITC	76 OVERHEAT AND SHUT CH. FOUND FUEL SOLE	NOID NOT CLOSING.	OVERTEMP SENSOR	R WOULD THEN POP	83D512 GATION OF HEATER OPER	HEATER FUEL ATION SHOWED HEATER N	NOT SHUTTI ORY (JANA)	98ZZZX149 NG DOWN WITH TEM
	ME195 COMPLAINT OF C CONTROL SWITC NOTIFIED IMMER	76 OVERHEAT AND SHUT CH. FOUND FUEL SOLE DIATELY. THIS SOLEN	NOID NOT CLOSING.	OVERTEMP SENSOR	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN	HEATER FUEL ATION SHOWED HEATER N IT INSIDE SOLENOID. FACT	NOT SHUTTI ORY (JANA)	98ZZZX149 NG DOWN WITH TEM ERO DEVICES)
	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMED 24KK ME149	76 DVERHEAT AND SHUT I CH. FOUND FUEL SOLEI DIATELY. THIS SOLENO BEECH	NOID NOT CLOSING. DID WAS ON NEW HE	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN FITTING	HEATER FUEL ATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED	NOT SHUTTI ORY (JANA)	98ZZZX149 NG DOWN WITH TEM ERO DEVICES) 8/25/97
5741	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMED 24KK ME149	76 DVERHEAT AND SHUT IN THE POUND FUEL SOLETO DIATELY. THIS SOLENO BEECH 76	NOID NOT CLOSING. DID WAS ON NEW HE	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN FITTING	HEATER FUEL ATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED	NOT SHUTTI ORY (JANA)	98ZZZX149 NG DOWN WITH TEM ERO DEVICES) 8/25/97
5741	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMEDITED 1445 INSPECTION FOU	76 DVERHEAT AND SHUT IN THE FOUND FUEL SOLE IN THIS SOLE IN THIS SOLE IN THE FOUND FUEL SOLE IN THE FUEL IN THE F	NOID NOT CLOSING. DID WAS ON NEW HE	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN FITTING 1054200113	HEATER FUEL ATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH	NOT SHUTTI ORY (JANA) 6447	98ZZZX149 NG DOWN WITH TEM ERO DEVICES) 8/25/97 98ZZZX42
5741	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMEIT 24KK ME149 INSPECTION FOUR 6049L ME202	76 DVERHEAT AND SHUT I CH. FOUND FUEL SOLEI DIATELY. THIS SOLEN BEECH 76 UND LEFT WING ATTAC BEECH	NOID NOT CLOSING. DID WAS ON NEW HE	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN FITTING 1054200113 FITTING	HEATER FUEL ATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED	NOT SHUTTI ORY (JANA) 6447	98ZZZX149 NG DOWN WITH TEMERO DEVICES) 8/25/97 98ZZZX42 10/19/97
5741 5741 *****	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMEIT 24KK ME149 INSPECTION FOUR 6049L ME202	76 DVERHEAT AND SHUT IN THE SOLE OF THE S	NOID NOT CLOSING. DID WAS ON NEW HE	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN FITTING 1054200113 FITTING	HEATER FUEL ATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED	NOT SHUTTI ORY (JANA) 6447	98ZZZX149 NG DOWN WITH TEMERO DEVICES) 8/25/97 98ZZZX42 10/19/97
5741 5741 ****	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMED 24KK ME149 INSPECTION FOUR 6049L ME202 INSPECTION FOUR 1000 FOUR 10	76 DVERHEAT AND SHUT IN THE FOUND FUEL SOLE IN THIS SOLE IN THE SO	NOID NOT CLOSING. DID WAS ON NEW HE	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN FITTING 1054200113 FITTING 1054200113	HEATER FUEL RATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED LT WING ATTACH	ORY (JANA) 6447 10063	98ZZZX149 NG DOWN WITH TEM ERO DEVICES) 8/25/97 98ZZZX42 10/19/97 98ZZZX51
5741 5741 *****	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMEI 24KK ME149 INSPECTION FOU 6049L ME202 INSPECTION FOU 5424M ME31	76 DVERHEAT AND SHUT I CH. FOUND FUEL SOLEI DIATELY. THIS SOLENCE BEECH 76 UND LEFT WING ATTAC BEECH 76 UND LEFT WING ATTAC BEECH 76 UND LEFT WING ATTAC BEECH BEECH	NOID NOT CLOSING. DID WAS ON NEW HE CH FITTING CRACKED CH FITTING CRACKED	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER FOUND BLACK SEALAN FITTING 1054200113 FITTING 1054200113	HEATER FUEL RATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED LT WING ATTACH CRACKED LT WING ATTACH	ORY (JANA) 6447 10063	98ZZZX149 NG DOWN WITH TEMERO DEVICES) 8/25/97 98ZZZX42 10/19/97 98ZZZX51 8/31/97
5741 5741 ****	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMEI 24KK ME149 INSPECTION FOU 6049L ME202 INSPECTION FOU 5424M ME31	76 DVERHEAT AND SHUT IN THE POUND FUEL SOLE IN THIS SOLENO BEECH 76 UND LEFT WING ATTACK BEECH 76 UND LEFT WING ATTACK BEECH 76 UND LEFT WING ATTACK BEECH 76 BEECH 76	NOID NOT CLOSING. DID WAS ON NEW HE CH FITTING CRACKED CH FITTING CRACKED	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER FOUND BLACK SEALAN FITTING 1054200113 FITTING 1054200113	HEATER FUEL RATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED LT WING ATTACH CRACKED LT WING ATTACH	ORY (JANA) 6447 10063	98ZZZX149 NG DOWN WITH TEMERO DEVICES) 8/25/97 98ZZZX42 10/19/97 98ZZZX51 8/31/97
5741 5741 *****	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMED 24KK ME149 INSPECTION FOUR 6049L ME202 INSPECTION FOUR 5424M ME31 INSPECTION FOUR 1000	76 DVERHEAT AND SHUT IN THE FOUND FUEL SOLE IN THIS SOLE IN THE SO	NOID NOT CLOSING. DID WAS ON NEW HE CH FITTING CRACKED CH FITTING CRACKED	OVERTEMP SENSOR ATER WITH 120. 3 HO	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN FITTING 1054200113 FITTING 1054200113 FITTING 1054200113	HEATER FUEL RATION SHOWED HEATER NIT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED LT WING ATTACH CRACKED RT WING ATTACH	6447 10063	98ZZZX149 NG DOWN WITH TEMERO DEVICES) 8/25/97 98ZZZX42 10/19/97 98ZZZX51 8/31/97 98ZZZX49
5741 5741 *****	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMED 24KK ME149 INSPECTION FOUR 6049L ME202 INSPECTION FOUR 5424M ME31 INSPECTION FOUR 5424M ME31	76 DVERHEAT AND SHUT IN THE FOUND FUEL SOLE IN THIS SOLENCE BEECH 76 UND LEFT WING ATTACK BEECH 76 UND LEFT AND RIGHT WING BEECH	NOID NOT CLOSING. DID WAS ON NEW HE CH FITTING CRACKEE CH FITTING CRACKEE	OVERTEMP SENSOR ATER WITH 120. 3 HO O. JGS CRACKED.	R WOULD THEN POP	83D512 GATION OF HEATER OPER FOUND BLACK SEALAN FITTING 1054200113 FITTING 1054200113 FITTING 1054200113	HEATER FUEL RATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED LT WING ATTACH CRACKED RT WING ATTACH CRACKED RT WING ATTACH	6447 10063	98ZZZX149 NG DOWN WITH TEMERO DEVICES) 8/25/97 98ZZZX42 10/19/97 98ZZZX51 8/31/97 98ZZZX49
5741 5741 ***** 5741 5741	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMED 24KK ME149 INSPECTION FOUR 6049L ME202 INSPECTION FOUR 5424M ME31 INSPECTION FOUR 5424M ME31	76 DVERHEAT AND SHUT ICH. FOUND FUEL SOLED DIATELY. THIS SOLENO BEECH 76 UND LEFT WING ATTACK BEECH 76 UND LEFT WING ATTACK BEECH 76 UND LEFT AND RIGHT VING BEECH 76 UND LEFT AND RIGHT VING BEECH 76	NOID NOT CLOSING. DID WAS ON NEW HE CH FITTING CRACKEE CH FITTING CRACKEE	OVERTEMP SENSOR ATER WITH 120. 3 HO O. JGS CRACKED.	R WOULD THEN POP	83D512 GATION OF HEATER OPER FOUND BLACK SEALAN FITTING 1054200113 FITTING 1054200113 FITTING 1054200113	HEATER FUEL RATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED LT WING ATTACH CRACKED RT WING ATTACH CRACKED RT WING ATTACH	6447 10063	98ZZZX149 NG DOWN WITH TEMERO DEVICES) 8/25/97 98ZZZX42 10/19/97 98ZZZX51 8/31/97 98ZZZX49
5741 5741 ***** 5741	ME195 COMPLAINT OF CONTROL SWITCH NOTIFIED IMMED 24KK ME149 INSPECTION FOUR 6049L ME202 INSPECTION FOUR 5424M ME31 INSPECTION FOUR 5424M ME31 INSPECTION FOUR 5424M ME31 INSPECTION FOUR 5424M	76 DVERHEAT AND SHUT IN THE FOUND FUEL SOLE IN THIS SOLE IN THE SO	NOID NOT CLOSING. DID WAS ON NEW HE CH FITTING CRACKEE CH FITTING CRACKEE	OVERTEMP SENSOR ATER WITH 120. 3 HO O. JGS CRACKED.	R WOULD THEN POP	83D512 GATION OF HEATER OPER . FOUND BLACK SEALAN FITTING 1054200113 FITTING 1054200113 FITTING 1054200113	HEATER FUEL RATION SHOWED HEATER N IT INSIDE SOLENOID. FACT CRACKED LT WING ATTACH CRACKED LT WING ATTACH CRACKED RT WING ATTACH CRACKED LT WING ATTACH	6447 10063	98ZZZX149 NG DOWN WITH TEMERO DEVICES) 8/25/97 98ZZZX42 10/19/97 98ZZZX51 8/31/97 98ZZZX49 8/31/97 98ZZZX48

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5741	272BA	BEECH				FITTING	CRACKED		9/9/97
	ME90	76				1054200113	LT WING ATTACH		98ZZZX44
****	INSPECTION FOU	ND LEFT AND RIGHT V	VING ATTACH FITTIN	IGS CRACKED.					
5312	111KF	BEECH				BULKHEAD	CRACKED	2946	12/12/97
	TC633	95B55				9544001337	BS 271.92		98ZZZX81
							EA VERY HARD TO INSPECT OAD NOTE ON THIS INSPECT		
5312	311EH	CESSNA				BULKHEAD	CRACKED	5246	12/17/97
DVPR	17269158	172N				05132833	LT DOOR POST		98ZZZX96
		EALED A CRACK IN TH ONS. CRACK IS APPRO			AT THE LOWER DOO	OR HINGE LOCATION. CR	ACK STARTS AT THE AFT S	CREW HOL	E AND PROGRESSES
7120	2770Q	CESSNA				MOUNT BOLT	DETACHED		12/1/97
	18257970	182K					ENGINE		98ZZZX45
****	DURING OIL FILT NOT PROPERLY T		ORD MOUNT BOLT V	VAS FOUND DETACH	HED. OTHER 3 BOLT	S WERE NOT TO TORQUE	E. ENGINE INSTALLED IN 19	88 AND IT	S SUSPECT BOLTS
2434	61423	CESSNA			FORD	ALTERNATOR	FAILED		12/17/97
	18504180	A185F				318	DC SYSTEM		98ZZZX50
	ALTERNATOR FA	ILED. FOUND BRUSHE	ES COMPLETELY WO	RN OUT IN JUST 608 I	HOURS. SUBMITTER	STATED THIS IS THE SE	COND ALTERNATOR FAILU	RE WITHIN	700 HOURS.
2820	410GV	CESSNA				LINE	CHAFED	397	12/1/97
	208B0632	208B				26001017	LT/RT FUEL		98ZZZX156
****	COMPARTMENT.		FING LINE, BOLT TUF				OLTS RETAINING A SEAL IN		
7602	4345X	CESSNA				CABLE	DEFECTIVE		11/8/97
	21058033	210B				S12203	MIXTURE		98ZZZX32
****	UPON INSTALLAT HOURS ON PART.	TION, TWO NEW MIXTU	JRE CABLES FROM C	ESSNA WERE FOUNI	DEFECTIVE IN THE	VERNIER LOCK WHICH	COULD CAUSE THE MIXTUR	RE TO FLOA	AT OR JAM. ZERO
2720	9739D	CESSNA				SUPPORT ASSY	CRACKED		12/26/97
	3370466	337A				151350014	RUDDER BAR		98ZZZX154
****	RUDDER BAR SU		OWING RUDDER BAI	R TO WANDER WHE	REVER IT WANTED T	O GO. AIRCRAFT HAS HI	CONTROL INPUTS. INSPECT STORY OF LANDING ACCID		
2720	9739D	CESSNA				SUPPORT ASSY	CRACKED		12/26/97
	3370466	337A				151350013	RUDDER BAR		98ZZZX153
	RUDDER BAR SUI		OWING RUDDER BAI	R TO WANDER WHE	REVER IT WANTED T	O GO. AIRCRAFT HAS H	CONTROL INPUTS. INSPECT ISTORY OF LANDING ACCIE		
3242	9739D	CESSNA			PARKERHANFIN	PLATE	FAILED	3800	12/26/97
	3370466	337A				7515	LT BRAKE		98ZZZX140
	CAUSING THE LE		P. THE TORQUE PLAT				ER TO SHIFT INTO THE INSI T AXLE ATTACH BOLT. THI		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3213	406GA	CESSNA				AXLE	CRACKED	14350	12/3/97
	402C0329	402C				51411022	RT MLG		98ZZZX47
	PILOT HAD DIFFION WHEEL REMOVAL		RT WHEEL BINDING.	. MAINTENANCE FO	UND BRAKE DISC C	CONTACTING LOWER BAR	REL OF STRUT. FOUND AXI	LE CRACKE	D UPON TIRE AND
8120	1965G	CESSNA	CONT		GARRTT	TURBOCHARER	LEAKING	1764	12/18/97
FMMA	421B0859	421B	GTSIO520H			4086109001	SEAL		98ZZZX95
	OIL SEAL IN TURI	BOCHARGER FAILED C	CAUSING SMOKE TO	ENTER CABIN. TURE	BOCHARGER, TOTA	L TIME, 1,764.0 HOURS.			
5540	84LJ	CESSNA				BEARINGS	FAILED	4268	12/17/97
	4410084	441				MS244624	RUDDER HINGE		98ZZZX158
						APART, I.E., NEEDLES FEL OURS TT AT TIME OF OCCU	L OUT. UNITS WERE RUSTY RRENCE.	Y ALSO. SU	BMITTER STATED
5540	4441T	CESSNA				BEARING	CORRODED	4461	12/17/97
	4410133	441				MS244624	RUDDER HINGE		98ZZZX147
****							., NEEDLES FELL OUT. PRES BEARINGS ARE INSPECTED		
5347	84EA	CESSNA				SEAT RAIL	WORN	6514	11/1/97
	550484	550				CM32031	COPILOT RT OTBD		98ZZZX3
	DURING PHASE 5	INSPECTION, FOUND I	HOLES WORN TO LIM	MITS AT CO-PILOT'S R	RIGHT SEAT RAIL H	ATCH. SPLICED IN NEW S	ECTION OF SEAT RAIL IAW	CESSNA 55	SRM FIGURE 801.
5540	674JM	CESSNA				RUDDER	LIGHTNING STRIKE	3137	12/12/97
	S5500127	S550					TIP CAP		98ZZZX93
	INTERNAL SIGNS INSPECTED PER A	OF OVERHEATING. O	WNER QUESTIONED UDDER HAD TO BE I	AND WAS DETERMIN REBUILT AND DURIN	NED THAT AT SOM IG INSPECTION, OT	E PREVIOUS TIME, ACFT H	NED AND LOOSE. TEAR DO IAD A LIGHTNING STRIKE A NING STRIKES HAD TO BE R	ND HAD NI	EVER BEEN
6120	690HT	GULSTM			AIRESRCH	CAM ASSY	WORN		12/18/97
	11467	690B			8954812	8954752	PROP PITCH CNTRL	2138	98ZZZX109
****	SLOT AND PIN ON		5. THERE IS LITTLE				LLER PITCH CONTROL REVE CHEDULED INSPECTION AT		
7603	71329	LUSCOM				CONTROL	FAILED		11/24/97
	2756	8A					THROTTLE		98ZZZX36
****	RIGID THROTTLE						ONTROL. INVESTIGATION E ING. RECOMMEND CLOSE I		
2430	9164Z	MOONEY				CABLE	DEFECTIVE	321	12/10/97
	270213	M20M					BATTERY		98ZZZX40
	ATTACHMENTS T	O HAVE HIGH RESISTA	ANCE AT GROUNDIN	G POINT. CLEANED	AREAS AND INSTA		NR 1 AND NR 2 BATTERY GR ENCING MOONEY SI M20-97. ORRECTLY.		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2820	78987	MOONEY				LINE	CHAFED	2600	12/1/97
	2021	M20C					GASCOLATOR		98ZZZX152
****	CLOSE TO THIS L	INE WHERE IT GOES TI	ROUGH THE FIREW	ALL. AREA IS VERY	DIFFICULT TO INSP		D BY CARBURETOR HEAT (DR AND FLASHLIGHT. CHA L CABLE.		
7922		MOONEY				VALVE	FAILED		12/1/97
		M20E				53E22144	THERMO BYPASS		98ZZZX150
							INSPECTION SHOWED NUT ED WITH NEW VALVE THA		
7820	8452P	PIPER				MUFFLER	CRACKED		12/6/97
	2627	PA24400				2448401	RT SIDE	624	98ZZZX39
****		FAILED CAUSING CAR ΓRECEIVED MINOR IN					W FOR 1.9 HOURS UNTIL FU	JEL EXHAUS	TION, LANDED IN
2436	2819A	PIPER			ELECTROSYS	REGULATOR	SHORTED	5	12/9/97
	287990468	PA28181				VR371	ALTERNATOR		98ZZZX46
2710	CALLS OUT GROU COULD HAVE PRI	UND BE ATTACHED TO EVENTED FAILURE. IN	REGULATOR. ELEC	TROSYSTEMS REP ST	ΓATED GROUND MU	JST BE MADE AT ALTERN EINSPECTED FOR POOR S			GINCONSISTENCY
2710	4511F	PIPER				BOLT	WRONG PART		12/19/97
	287790037	PA28181					AILERON		98ZZZX113
		MER REOUESTED AIL							
		MOVED. ALL 4 BOLTS	CONNECTING THE A SHOULD BE A PIPER	AILERON CABLES TO PN 402-669 (NAS1103	THE BELLCRANKS		KS WERE CHAFING ON THI MINATION OF THE CURREN NCE BETWEEN THESE TWO	T PARTS MA	ONTROL ROD AS NUAL REVEALED
3211		MOVED. ALL 4 BOLTS OLT TO BE INSTALLED	CONNECTING THE A SHOULD BE A PIPER	AILERON CABLES TO PN 402-669 (NAS1103	THE BELLCRANKS	WERE AN23-12. AN EXAM	MINATION OF THE CURREN	T PARTS MA	ONTROL ROD AS NUAL REVEALED
3211	DIFFERENCE. TH	MOVED. ALL 4 BOLTS DLT TO BE INSTALLED E AN23-12 IS .0625 INCI	CONNECTING THE A SHOULD BE A PIPER	AILERON CABLES TO PN 402-669 (NAS1103	THE BELLCRANKS	WERE AN23-12. AN EXAN IS A STRENGTH DIFFERE	MINATION OF THE CURREN NCE BETWEEN THESE TWO	T PARTS MA	ONTROL ROD AS NUAL REVEALED WELL AS A LENGTH
3211	DIFFERENCE. TH 33138 287525161 WHILE PERFORM OCCURRENCE FO	MOVED. ALL 4 BOLTS DLT TO BE INSTALLED E AN23-12 IS .0625 INC PIPER PA28140 ING SB 1006, NOTED LO UND ON TWO AIRCRA	CONNECTING THE A SHOULD BE A PIPER I LONGER THAN THI OWER ATTACH BOLT FT, AND THE DEFEC	AILERON CABLES TO PN 402-669 (NAS1103 E NAS1103-7D. TS OF THE LT MLG ST IT WAS IN THE LEFT M	THE BELLCRANKS 3-7D BOLT). THERE TRUT WERE CORRO MLG IN BOTH CASE:	WERE AN23-12. AN EXAMIS A STRENGTH DIFFERE ATTACH BOLT DED AND ONE BROKEN OS. THE BOLTS (UPPER AN	MINATION OF THE CURREN NCE BETWEEN THESE TWO BROKEN	T PARTS MAD BOLTS AS VENTE THIS IS THE ED. IN BOTH	ONTROL ROD AS ANUAL REVEALED WELL AS A LENGTH 11/20/97 98ZZZX97 E SECOND SUCH I CASES, THEY WERE
	DIFFERENCE. TH 33138 287525161 WHILE PERFORM OCCURRENCE FO	MOVED. ALL 4 BOLTS DLT TO BE INSTALLED E AN23-12 IS .0625 INC PIPER PA28140 ING SB 1006, NOTED LO UND ON TWO AIRCRA	CONNECTING THE A SHOULD BE A PIPER I LONGER THAN THI OWER ATTACH BOLT FT, AND THE DEFEC	AILERON CABLES TO PN 402-669 (NAS1103 E NAS1103-7D. TS OF THE LT MLG ST IT WAS IN THE LEFT M	THE BELLCRANKS 3-7D BOLT). THERE TRUT WERE CORRO MLG IN BOTH CASE:	WERE AN23-12. AN EXAMIS A STRENGTH DIFFERE ATTACH BOLT DED AND ONE BROKEN OS. THE BOLTS (UPPER AN	MINATION OF THE CURREN NCE BETWEEN THESE TWO BROKEN LT MLG DFF AT THE HEAD (INSIDE). D LOWER) WERE CORROD	T PARTS MAD BOLTS AS VENTE THIS IS THE ED. IN BOTH	ONTROL ROD AS INUAL REVEALED WELL AS A LENGTH 11/20/97 98ZZZX97 E SECOND SUCH I CASES, THEY WERE
****	DIFFERENCE. TH 33138 287525161 WHILE PERFORM OCCURRENCE FO BROKEN INSIDE TO	MOVED. ALL 4 BOLTS DLT TO BE INSTALLED E AN23-12 IS .0625 INCO PIPER PA28140 ING SB 1006, NOTED LO UND ON TWO AIRCRA THE WING NEXT TO TH	CONNECTING THE A SHOULD BE A PIPER I LONGER THAN THI OWER ATTACH BOLT FT, AND THE DEFEC	AILERON CABLES TO PN 402-669 (NAS1103 E NAS1103-7D. TS OF THE LT MLG ST IT WAS IN THE LEFT M	THE BELLCRANKS 3-7D BOLT). THERE TRUT WERE CORRO MLG IN BOTH CASE:	WERE AN23-12. AN EXAMIS A STRENGTH DIFFERE ATTACH BOLT DED AND ONE BROKEN ONES THE BOLTS (UPPER AN RE ALSO BROKEN). THIS	MINATION OF THE CURREN NCE BETWEEN THESE TWO BROKEN LT MLG OFF AT THE HEAD (INSIDE). D LOWER) WERE CORRODO WAS HARD TO DETECT FR	T PARTS MAD BOLTS AS VENTE THIS IS THE ED. IN BOTH	ONTROL ROD AS NUAL REVEALED WELL AS A LENGTH 11/20/97 98ZZZX97 E SECOND SUCH I CASES, THEY WERE ISIDE.
****	DIFFERENCE. TH 33138 287525161 WHILE PERFORM OCCURRENCE FO BROKEN INSIDE 7 36458 28R7837279 WHILE IN-FLT, PII INNER SPRING BE OUTER SPRING A PREVENTING OUT	MOVED. ALL 4 BOLTS DLT TO BE INSTALLED E AN23-12 IS .0625 INCO PIPER PA28140 ING SB 1006, NOTED LO UND ON TWO AIRCRA THE WING NEXT TO THE PIPER PA28R201 LOT REPORTED LOUD REAKING. WHEN THE IND CAUSING IT TO RE	CONNECTING THE A SHOULD BE A PIPER H LONGER THAN THE DEFECT AND THE DEFECT E SPAR CAP AREA. (BANG. WHEN LAND NNER SPRING BROK MAIN AT A LENGTH LING NLG TO A DOW	ALLERON CABLES TO PN 402-669 (NAS1103 E NAS1103-7D. TS OF THE LT MLG ST T WAS IN THE LEFT M (IN THE FIRST CASE, ING GEAR SELECTED E AT UPPER HOOK E OF 11 INCHES INSTEA VN AND LOCKED POS	THE BELLCRANKS 3-7D BOLT). THERE TRUT WERE CORRO MLG IN BOTH CASE: 2 UPPER BOLTS WE D, NLG WOULD NOT ND, THIS BROKEN F AD OF A CLOSED LE SITION. SUBMITTER	WERE AN23-12. AN EXAMIS A STRENGTH DIFFERE ATTACH BOLT DED AND ONE BROKEN OF STRENG HEROST STRENGTH OF 8 INCHES. THIS STRENGTH OF 8 INCHES.	MINATION OF THE CURREN NCE BETWEEN THESE TWO BROKEN LT MLG OFF AT THE HEAD (INSIDE). D LOWER) WERE CORROD WAS HARD TO DETECT FR	T PARTS MAD BOLTS AS VERTILE THIS IS THE ED. IN BOTH ED. NLG DIE THE STORE BEND INTO BEND BEND INTO BEND BEND INTO BEND INTO BEND INTO BEND INTO BEND INTO B	CONTROL ROD AS ANUAL REVEALED WELL AS A LENGTH 11/20/97 98ZZZX97 E SECOND SUCH I CASES, THEY WERE ISIDE. 11/10/97 98ZZZX110 D NOT LOCK DUE TO PRING JAMMING TO A V-SHAPE
*****	DIFFERENCE. TH 33138 287525161 WHILE PERFORM OCCURRENCE FO BROKEN INSIDE 7 36458 28R7837279 WHILE IN-FLT, PII INNER SPRING BE OUTER SPRING A PREVENTING OUT	MOVED. ALL 4 BOLTS DLT TO BE INSTALLED E AN23-12 IS .0625 INCO PIPER PA28140 ING SB 1006, NOTED LO UND ON TWO AIRCRA THE WING NEXT TO THE PIPER PA28R201 LOT REPORTED LOUD REAKING. WHEN THE I ND CAUSING IT TO RE TER SPRING FROM PUL	CONNECTING THE A SHOULD BE A PIPER H LONGER THAN THE DEFECT AND THE DEFECT E SPAR CAP AREA. (BANG. WHEN LAND NNER SPRING BROK MAIN AT A LENGTH LING NLG TO A DOW	ALLERON CABLES TO PN 402-669 (NAS1103 E NAS1103-7D. TS OF THE LT MLG ST T WAS IN THE LEFT M (IN THE FIRST CASE, ING GEAR SELECTED E AT UPPER HOOK E OF 11 INCHES INSTEA VN AND LOCKED POS	THE BELLCRANKS 3-7D BOLT). THERE TRUT WERE CORRO MLG IN BOTH CASE: 2 UPPER BOLTS WE D, NLG WOULD NOT ND, THIS BROKEN F AD OF A CLOSED LE SITION. SUBMITTER	WERE AN23-12. AN EXAMIS A STRENGTH DIFFERE ATTACH BOLT DED AND ONE BROKEN OF STRENG HEROST STRENGTH OF 8 INCHES. THIS STRENGTH OF 8 INCHES.	MINATION OF THE CURREN NCE BETWEEN THESE TWO BROKEN LT MLG OFF AT THE HEAD (INSIDE). D LOWER) WERE CORRODO WAS HARD TO DETECT FR FAILED NLG STRUT N LANDING, NLG RETRACT ING COIL 2/3 OF THE LENG G CAUSED OUTER SPRING	T PARTS MAD BOLTS AS VERTILE THIS IS THE ED. IN BOTH ED. NLG DIE THE STORE BEND INTO BEND BEND INTO BEND BEND INTO BEND INTO BEND INTO BEND INTO BEND INTO B	CONTROL ROD AS ANUAL REVEALED WELL AS A LENGTH 11/20/97 98ZZZX97 E SECOND SUCH I CASES, THEY WERE ISIDE. 11/10/97 98ZZZX110 D NOT LOCK DUE TO PRING JAMMING TO A V-SHAPE
3230	DIFFERENCE. TH 33138 287525161 WHILE PERFORM OCCURRENCE FO BROKEN INSIDE 7 36458 28R7837279 WHILE IN-FLT, PII INNER SPRING BE OUTER SPRING A PREVENTING OUT SITUATION. SUB	MOVED. ALL 4 BOLTS DLT TO BE INSTALLED E AN23-12 IS .0625 INCO PIPER PA28140 ING SB 1006, NOTED LO UND ON TWO AIRCRA THE WING NEXT TO THE PIPER PA28R201 LOT REPORTED LOUD REAKING. WHEN THE IND CAUSING IT TO RE TER SPRING FROM PUL MITTER SUGGESTED A	CONNECTING THE A SHOULD BE A PIPER H LONGER THAN THE DEFECT AND THE DEFECT E SPAR CAP AREA. (BANG. WHEN LAND NNER SPRING BROK MAIN AT A LENGTH LING NLG TO A DOW	ALLERON CABLES TO PN 402-669 (NAS1103 E NAS1103-7D. TS OF THE LT MLG ST T WAS IN THE LEFT M (IN THE FIRST CASE, ING GEAR SELECTED E AT UPPER HOOK E OF 11 INCHES INSTEA VN AND LOCKED POS	THE BELLCRANKS 3-7D BOLT). THERE TRUT WERE CORRO MLG IN BOTH CASE: 2 UPPER BOLTS WE D, NLG WOULD NOT ND, THIS BROKEN F AD OF A CLOSED LE SITION. SUBMITTER	WERE AN23-12. AN EXAMIS A STRENGTH DIFFERE ATTACH BOLT DED AND ONE BROKEN OF STATE BOLTS (UPPER AN RE ALSO BROKEN). THIS SPRING 6716800 DOWN AND LOCK. UPOUR END CAUGHT OUTER SPRING CAUGHT OUTER SPRING STATED INNER SPRING	MINATION OF THE CURREN NCE BETWEEN THESE TWO BROKEN LT MLG DEF AT THE HEAD (INSIDE). D LOWER) WERE CORROD! WAS HARD TO DETECT FR FAILED NLG STRUT N LANDING, NLG RETRACTING COIL 2/3 OF THE LENG'S CAUSED OUTER SPRING'BREAKING AND BENDING	T PARTS MAD BOLTS AS VERTILE THIS IS THE ED. IN BOTH ED. NLG DIE THE STORE BEND INTO BEND BEND INTO BEND BEND INTO BEND INTO BEND INTO BEND INTO BEND INTO B	ONTROL ROD AS ANUAL REVEALED WELL AS A LENGTH 11/20/97 98ZZZX97 E SECOND SUCH I CASES, THEY WERE ITSIDE. 11/10/97 98ZZZX110 D NOT LOCK DUE TO PRING JAMMING TO A V-SHAPE NG IS A UNIQUE

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5711	8368H	PIPER				SPAR	CORRODED	5560	12/12/97
	28R8118062	PA28RT201					WING FUEL AREA		98ZZZX8
****	REPAIRED LEAK,		ED CORROSION AND	PAINTED AREA WIT	H CHEMICAL RESIS		FACE CORROSION IN WING MATE PRIMER. SUBMITTER		
7922	8215N	PIPER				VALVE	DEFECTIVE		12/12/97
	2825419	PA28140				75944	THERMO BYPASS		98ZZZX37
	LYCOMING SB 518	BC APPLIES. FOUND NU	JT LOOSE. REPLACE	D VERNATHERM. SU	JSPECT CAUSE: AGI	E AND WEAR.			
2913	35816	PIPER				PUMP	SHEARED	440	12/22/97
	318052091	PA31350				1213HBG310A	RT HYDRAULIC		98ZZZX146
	ENGINE DRIVEN I	HYDRAULIC PUMP SHA ART OF MISSING CHEC	FT SHEARED. OPEN	ED PUMP ASSY FOR	VISUAL INSPECTION	N AND FOUND ONE OF TH	IGHT PUMP INOPERABLE. U E TWO CHECK VALVE/REST VE DISLODGED AND WENT	RICTORS N	MISSING FROM ITS
3230	36BM	PIPER				ROD ASSY	SEIZED	3209	12/10/97
	318252008	PA31350				4194902	LT MLG		98ZZZX151
	REVEALED THE P	N 41949-02 LANDING G	EAR LOCK ROD ASSY	Y WAS SEIZED DUE T	O LACK OF LUBRIC		AIRCRAFT LANDED WITHO DOWNLOCK HOOK FROM F E ENVIRONMENTS.		
3260	2KC	PIPER				LIGHT ASSY	FAILED		12/5/97
BSYA	317952217	PA31350				8011030332504	LT MLG DOWNLOCK		98ZZZX144
	LEFT LANDING GI OPS CHECKS GOO		WN AND LOCK INTO	CMH. JACKED AIRO	CRAFT, FOUND DOW	VN AND LOCK LIGHT SOC	KET DEFECTIVE. REMOVED	AND REP	LACED SOCKET ASSY.
2150	57MR	PIPER				FAN	FAILED		12/11/97
	31T7620022	PA31T			5134900	460102	A/C CONDENSER		98ZZZX7
****	CONTINUED. DEC CONDENSER IMPE	CISION WAS MADE TO	SHUT DOWN RT ENG	INE AND PROBLEM S	SUBSIDED. AIRCRA	FT HAD UNEVENTFUL LA	R SCOOP. RT GENERATOR V NDING. AN INVESTIGATION ERMINAL 'C' TO RT STARTER	REVEALE	ED AIR CONDITIONER
3246	515BA	PIPER				WHEEL	BROKEN	3600	12/18/97
	31T8120044	PA31T				40106	LT MLG OUTBOARD		98ZZZX101
	POST-FLIGHT REV	EALED BROKEN OUT	BOARD WHEEL HALF	ON LEFT MAIN.					
3222	239A	PIPER				STRUT ASSY	LOOSE	202	4/1/97
EWCR	3246022	PA32301				6705002	NLG		98ZZZX145
	PLUG IN BOTTOM	OF TUBE NOT SECURE	ED BY BOLT THROUG	H TUBE AND LANDI	NG GEAR FORK. AI	RCRAFT WAS INVOLVED	IN A GEAR UP LANDING API	PROXIMAT	TELY 8 MONTHS AGO.
5210	4100L	PIPER				AUXILIARY LOCK	FAILED	5686	12/3/97
	428001061	PA42			5661705	4756400	CABIN DOOR		98ZZZX31
		R, DOOR HANDLE ROTA LOCK DID NOT ENGA		GED PINS. PILOT AB	ORTED TAKEOFF, C	LOSED DOOR, AND TAXIE	ED BACK TO PARKING. INIT	AL INSPE	CTION REVEALED

DOMESTIC SEDVICE	DIEEICHI TV	REPORT SUMMARY	AIDCD AFT (cont'd)
TOURIESTIC SERVICE		KEPUK I SUMMAKY	- AIKUKAFI (CONTO)

1/4/98 To 1/10/98	ISSUE: 98-02	ZAC-327

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5753	79Z	SOCATA				CARRIER	CRACKED	789	11/28/97
CB5Y	19	TBM700				T700A5755060000	FLAP BEARING		98ZZZX14
	CRACKS WERE NO		SPECTION AREAS SI		-,	,	L 4 FLAP BEARING CARRIAC L 4 FLAP BEARING CARRIAC		
5753	79Z	SOCATA				CARRIER	CRACKED	789	11/28/97
CB5Y	19	TBM700				T700A5755060101	FLAP BEARING		98ZZZX15
	CRACKS WERE NO		SPECTION AREAS SI		.,	,	L 4 FLAP BEARING CARRIAC 4 FLAP BEARING CARRIAGE		
5753	79Z	SOCATA				CARRIER	CRACKED	789	11/28/97
CB5Y	19	TBM700				T700A5755063101	FLAP BEARING		98ZZZX17
****	CRACKS WERE NO		SPECTION AREAS SI		*	*	L 4 FLAP BEARING CARRIAC L 4 FLAP BEARING CARRIAC		
5753	79Z	SOCATA				CARRIER	CRACKED	789	11/28/97
CB5Y	19	TBM700				T700A5755063100	FLAP BEARING		98ZZZX16
	CRACKS WERE NO MODIFIED ITEMS		ISPECTION AREAS SEGHT.	HOWN IN THE SB 70-	-,	,	L 4 FLAP BEARING CARRIAC 4 FLAP BEARING CARRIAGE		

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - AIRCRAFT)

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2432	2761N	BELL				BATTERY	FAILED		12/31/97
HEEA	45277	206L1				RG222	DC SYS		HEEA0012398
	BATTERY WILL N	OT START AIRCRAFT.	WILL NOT TURN EN	GINE MORE THAN 89	% N1. REPLACED W	ITH A NEW BATTERY.			
432	2761N	BELL				BATTERY	FAILED		12/31/97
HEEA	45277	206L1				RG222	DC SYS		HEEA0012397
	BATTERY WEAK	STARTING. WILL NOT	CRANK ENGINE ABO	OVE 5%. BATTERY L	ASTED TWO DAYS	AFTER INSTALLATION. R	EPLACED WITH A NEW BATT	ERY.	
2435	7074W	BELL				GENERATOR	FAILED	14482	12/31/97
IEEA	52033	206L4				23081018	START/GEN		HEEA0012399
	GENERATOR WO	ULD NOT COME ON LIN	NE. REPLACED WITH	SERVICEABLE GENE	ERATOR.				
823	2269A	BELL				VALVE	FAILED		12/17/97
EEA	3608	206B3				206063640107	FUEL SYS		HEEA0012352
	VALVE STAYS OF	PEN INTERMITTENTLY.							
452	2272J	BELL				TRANSPONDER	FAILED		12/31/97
IEEA	3620	206B3			KT76	066106200	COCKPIT		HEEA0012393
450	CHECK GOOD.	BELL	ERFORMED PRELIMI	NART INSPECTION.	FOUND REPLY LIG	,	PHOTOCELL, REPAIRED. ADJ	USTED OF	
452 IEEA	129MR 51129	206L3			KT76	TRANSPONDER 066106200	FAILED COCKPIT		12/31/97 HEEA0012394
	TRANSPONDER IN T401. REPLACED BENCH CHECK GO	Q415, Q401, Q402, C401	MED PRELIMINARY I , C402, C403, C410, CF	NSPECTION. FOUND R401, CR402. REPAIRI	Q402 LOOSE IN UN ED. UNIT STILL NO	NIT. RESOLDERED Q402. U OT RECEIVING. FOUND Q4	JNIT NOW MAKING NOISE. T. 22BAD. REPLACED Q422. RE	ROUBLESI PAIRED. A	HOT; SWAPPED OUT ADJUSTED TO SPEC
3457	2275Y	BELL			MAGELLAN	SKYNAV 5000	INTERMITTENT		12/17/97
HEEA	3626	206B3				0845000000	COCKPIT GPS		HEEA0012368
	GPS OPERATED IN	NTERMITTENTLY.							
457	2777D	BELL			MAGELLAN	SKYNAV 5000	FAILED		12/17/97
IEEA	45299	206L1				0845000000	COCKPIT GPS		HEEA0012367
	GPS WILL NOT UP	PDATE POSITION.							
320	2270G	BELL				TUB	MIS MANUFACTURED		12/30/97
IEEA	3610	206B3				206031100353S	FUEL CELL		HEEA0012392
	FUEL CELL TUB T	OO WIDE AT APPROXI	MATELY WATER LIN	NE 50.45 UP. FROM B	UTT LINE .000 FUEI	CELL MEASURES .250 ON	L/H AND R/H; SIDES TOO WI	DE TOTAL	.500.
210	166BH	BELL				BLADE	CRACKED	1579	12/12/97
UVR	45661	206L1				206015001107	M/R		98ZZZX86
		R INSPECTION, NOTICE WITH PATCH AS NEW		E LIFTING, REMOVED	PATCH. FOUND 10) INCH CRACK RUNNING	CHORD-WISE FROM REPAIR.	THIS BLA	DE CAME FROM
320	10778	BELL				TRANSMISSION	DEFECTIVE		12/29/97
IEEA	45391	206L1				206040004111	M/R		HEEA0012389
			,				POSITION AS FAR OUT AS PO NN - STILL SAME PROBLEM)	SSIBLE ST	ILL COULD NOT

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6720	7074W	BELL				ROD ASSY	FAILED	3722	12/31/97
HEEA	52033	206L4				206011725001	T/R CONT		HEEA0012395
	ROD ASSY BEARI	NG ENDS ARE COMING	APART. REPLACED	WITH SERVICEABLE	ROD ASSEMBLY.				
6720	7077F	BELL				ROD ASSY	FAILED	2338	12/31/97
HEEA	52038	206L4				206011725001	T/R		HEEA0012396
	ROD ASSY BEARI	NG ENDS ARE COMING	APART. REPLACED	WITH SERVICEABLE	ROD ASSEMBLY.				
7230	406EH	BELL	ALLSN			SCROLL	MIS MANUFACTURED		12/22/97
HEEA	45183	206L1	250C28B		23033191	6898960	ENGINE		HEEA0012382
	RECEIVING INSPE	ECTION REVEALED: AI	R TUBE SOCKET ID N	NOT MACHINED. INST	ΓALLED AN OVERH	AULED DALLAS AIRMOTIVI	E SCROLL.		
7250	3107N	BELL	ALLSN			COUPLING	WORN	539	12/18/97
HEEA	51512	206L3	250C30P		23053349	23032345	ENG N1		HEEA0012376
		D DUE TO TURBINE OV ED A NEW N1 COUPLIN		PECTION OF TURBIN	IE PARTS NOTED: II	NTERNAL SPLINES BELOW S	SERVICEABLE LIMITS ON N	I1 COUPLI	NG (FAILED NO-GO
7314	141BH	BELL	ALLSN			FUEL PUMP	WORN	16587	12/31/97
HEEA	51303	206L3	250C20			3881005	ENGINE		HEEA0012408
	FUEL PUMP WOR	N DRIVE SHAFT SPLINE	ES AND GEARS.						
7320	210PH	BELL	ALLSN			BELLOWS	DEFECTIVE		12/17/97
HEEA	51541	206L3	250C30P			2543598	ENGINE CONTROL		HEEA0012373
	ACCELERATION I	BELLOWS DEFECTIVE.	INOPERATIVE. SCRA	APPED PART. REPLAC	CED WITH SERVICE	ABLE PART.			
7320	210PH	BELL	ALLSN			METERING VALVES	UNBONDED		12/17/97
HEEA	51541	206L3	250C30P			2537739	ENGINE		HEEA0012372
	METERING VALV	E SLEEVE ASSEMBLY U	UNBONDED. SCRAPP	ED PART. REPLACED	WITH SERVICEAB	LE PART.			
7722	20898	BELL				INDICATOR	STICKS		12/17/97
HEEA	45721	206L1				206075680107	ENG TOT		HEEA0012353
	INDICATOR NEED	LE STICKS THROUGH	SCALE INTERMITTE	NTLY.					
7722	2246Q	BELL				INDICATOR	STICKS		12/17/97
HEEA	45752	206L1				206375007103	ENG TOT		HEEA0012355
	TOT INDICATOR	NEEDLE STICKS.							
7722	205FC	BELL				INDICATOR	FAILED		12/17/97
HEEA	51130	206L3				206075188005	ENG TOT		HEEA0012354
	ENG TOT INDICAT	ΓOR READS 4 UNITS HI	GH						
7810	3207Q	BELL	ALLSN			EXHAUST COLLECTO	CRACKED		12/17/97
HEEA	51540	206L3	250C30P		23035128	23032325	ENGINE		HEEA0012374
		D DUE TO NR3 & NR4 V ND SERVICEABLE LIMI				TED: COATING FLAKING FR COLLECTOR.	OM EXHAUST COLLECTOR	LAB SEA	L FLANGE AND
2340	27805	BELL				INTERPHONE BOX	FAILED		12/17/97
HEEA	31106	212				A3016W	CO PILOT		HEEA0012362
	CO-PILOT CANNO	T RECEIVE ON ANY RA	ADIO OR THE INTERO	COM, BUT CAN TRAN	SMIT BUT WITHOU	T ANY SIDETONE. REPLACE	D WITH SERVICEABLE PAI	RT.	

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2370	59806	BELL				CVR	SHORTED	317	12/17/97
HEEA	28140	214ST				9806020023	COCKPIT		HEEA0012360
	CVR DOES NOT CO	OME ON. POWER WAS	SHORTED TO GROUP	ND.					
2435	8045T	BELL				STARTER	FAILED	1300	12/18/97
HEEA	28101	214ST				214060056103	ENGINE		HEEA0012380
	STARTED WILL NO	OT TURN. INSPECTED	BY ACCESSORY OVE	RHAUL SHOP AND F	OUND ARMATURE	WAS FROZEN AND WOUL	D NOT TURN.		
2435	3897N	BELL				STARTER	FAILED	842	12/18/97
HEEA	28106	214ST				214060056103	ENGINE		HEEA0012379
	HARD START ENC	SINE, STARTER DRAGS							
3450	59806	BELL				CONTROL BOX	FAILED		12/17/97
HEEA	28140	214ST				071121004	COCKPIT		HEEA0012364
		ANNOT SELECT NUMBI IRED. ALSO FOUND PI					IEN SELECTOR KNOB IS T	URNED, CLEA	ANED WAFER
3452	6957Y	BELL				CONTROL	FAILED		12/31/97
HEEA	28139	214ST				071119218	TRANSPONDER		HEEA0012404
		ONTROL HAS SEVERAI SWITCHES. BENCH C		NT. PERFORMED PRE	ELIMINARY INSPEC	TION. FOUND LED'S INTE	RMITTENT. REPLACED D	S103 DISPLA	Y. REPAIRED.
3452	59806	BELL				TRANSPONDER	FAILED		12/31/97
HEEA	28140	214ST				066107100	COCKPIT		HEEA0012413
	TRANSPONDER FA	AILED. UPON DISASSE	MBLING UNIT FOUN	D MODULATOR BOA	RD HAD A BURNT S	SECTION.			
3454	3897N	BELL				NAV UNIT	FAILED		12/31/97
HEEA	28106	214ST			KDA692	071121701	COCKPIT		HEEA0012412
	NAV UNIT KDA69	2 WON'T POINT TO STA	TIONS.						
6220	59806	BELL				BEARING	RUSTED		12/31/97
HEEA	28140	214ST			214010100207	214310002101	M/R		HEEA0012414
	BEARING FOUND	RUSTY AND UNSERVIO	CEABLE. SERIAL NU	MBERS REMOVED A	RE N0001 AND N000	4.			
3212	230UN	BELL				SWITCH	DEFECTIVE		12/22/97
HEEA	23009	230				222325023101	FLOAT		HEEA0012387
	FLOAT SWITCH H	AS LOOSE PARTS INSII	DE.						
3450	230UN	BELL				CONTROL	CHIPPED		12/17/97
HEEA	23009	230				071121627	COCKPIT NAV		HEEA0012365
	PAINT CHIPPED. P	ERFORMED PRELIMIN	ARY INSPECTION. FO	OUND PAINT ON FAC	CEPLATE CHIPPED.	REPLACED FACEPLATE P	/N 088-1103-18. REPAIRED.	BENCH CHE	ECK GOOD.
6220	230UN	BELL				BEARING	SEPARATED		12/15/97
HEEA	23009	230				222310504101	M/R		HEEA0012348
	BEARING SEPARA	TED.							
6420	230UN	BELL				BEARING	CRACKED		12/15/97
HEEA	23009	230			222012701117	222312753103	T/R HEAD		HEEA0012351
	BEARING CRACKI	ED. SCRAPPED BEARIN	GS.						

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2312	403PH	BELL				TRANSCEIVER	DEFECTIVE		12/31/97
HEEA	53177	407				064105430	COCKPIT		HEEA0012405
							ONE WHEN CHECKING MO ECKING. REPLACED TRAN		
3457	403PH	BELL				RECEIVER	FAILED	307	12/31/97
HEEA	53177	407				13824120234	GPS		HEEA0012411
	GPS RECEIVER CO	ONTINUES TO READ "A	NTENNA FAULT" AF	TER BAD ANTENNA	WAS REPLACED.				
5530	467PH	BELL				FIN ASSEMBLY	LOOSE	56	12/31/97
HEEA	53142	407				206020113229T	STRINGER		HEEA0012417
	FIN ASSY HAS LO	OSE STRINGER.							
6220	407AP	BELL				FRAHM ASY	DEFECTIVE	88	12/5/97
GS1R	53020	407				407010150101A	M/R HEAD		98ZZZX83
	INSPECTION FOUR	ND M/R FRAHM ASSY H	IAD LOOSE SPRINGS	REPLACED WITH N	IEW FRAHM FROM E	BELL HELICOPTER.			
6220	57416	BELL				HUB	DEFECTIVE	1257	12/15/97
HEEA	53070	407				407010100111	M/R CONE SEAT		HEEA0012350
	GRIPS AND LOWE	R CONE SEAT RETIRE.	SCRAPPED PARTS.						
6230	141MA	BELL				MAST ASSY	LEAKING	1235	12/31/97
HEEA	53016	407				407040011101	M/R		HEEA0012415
	MAST ASSY SEAL	LEAKING. REPAIRED I	BY PHI.						
6410	57416	BELL				BEARING	CORRODED	507	12/22/97
HEEA	53070	407				406312100101	T/R BLADE		HEEA0012388
	BEARING WORN A	AND CORRODED.							
2312	2149S	BELL				CONTROL	FAILED		12/17/97
HEEA	36002	412				071121570	COMM NR 2		HEEA0012366
		BRIGHT. PERFORMED P CH S102. REPAIRED. BI		CTION. FOUND DISP	LAY NOT DIMMING	. REPLACED V101 PHOTO	CELL. REPAIRED. ALSO R	EPLACED IN	TERMITTENT
2312	21498	BELL				COMM CONTROL	FAILED		12/31/97
HEEA	36003	412				071121540	COCKPIT		HEEA0012402
		DISPLAY SOMETIMES IECKED 28V LIGHTING			RY INSPECTION. RE	PLACED DISPLAY LENS.	REPAIRED. ALSO REPLAC	CED PHOTOC	ELL LENS AND
2370	2261D	BELL				CVR	SHORTED		12/31/97
HEEA	33076	412				9806020023	COCKPIT		HEEA0012410
	CVR DOES NOT CO	OME ON. POWER WAS	SHORTED TO GROUP	ND.					
2841	3893P	BELL				INDICATOR	FAILED		12/31/97
HEEA	33012	412				393008047	FUEL QTY		HEEA0012400
	UPON INSTALLAT SERVICEABLE INI		URNED ON POWER A	ND INDICATOR IMM	EDIATELY WENT TO	O ZERO AND STAYED. W	OULD NOT COME OFF OF	ZERO. REPLA	ACED WITH

OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3421	108X	BELL				INDICATOR	FAILED		12/3/97
HEEA	33115	412				222375033103	COCKPIT ATTITUDE		HEEA0012187
	ATTITUDE INDIC	ATOR PRECESSES IN PI	TCH AND ROLL. TIM	ME SINCE REPAIR 186	5:10.				
3457	1202T	BELL				RECEIVER	ERRATIC		12/17/97
HEEA	33112	412				81439000232	2101A GPS		HEEA0012370
	TURNING KNOB	GIVES ERRATIC READI	NGS.						
6210	107X	BELL				BLADE	DEFECTIVE	6113	12/31/97
HEEA	33113	412				412015300106	M/R		HEEA0012409
	M/R BLADE HAS	SKIN VOID ON THE UPP	PER SURFACE JUST T	O THE OUTBOARD O	F THE MIDSPAN TA	AB AT STATION 208".			
7323	22347	BELL				GOVERNOR	FAILED	7295	12/31/97
HEEA	36005	412				25249994	NR 1 ENG		HEEA0012401
	NR1 ENGINE BEE	P RANGE WENT HIGH A	AND TORQUE SPLIT.	REPLACED WITH SEF	RVICEABLE GOVE	RNOR.			
7322	47AH	BELL	LYC			BELLOWS	FAILED		10/28/97
	2645	47G3B	TVO435A1A		MA6AA	293548	CARB MIXTURE	1086	98ZZZX84
	137AE	BOLKMS	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		ALTIMETER	ERRATIC		12/17/97
3444	137AE	BOLKMS				ALTIMETER	ERRATIC		12/17/97
HEEA	S851	BO105S				066106103	COCKPIT		HEEA0012361
нееА		BO105S ALTIMETER OPERATIO	ON.			066106103	COCKPIT		
6210			DN.			066106103 BLADE	COCKPIT SEPARATION	5388	
6210	ERRATIC RADAR 8197X S808	ALTIMETER OPERATION BOLKMS BO105S				BLADE 10515141		5388	HEEA0012361
5210	ERRATIC RADAR 8197X S808	ALTIMETER OPERATION BOLKMS		ASION STRIP WHICH I	IS BEYOND LIMITS	BLADE 10515141	SEPARATION	5388	HEEA0012361
6210 HEEA	ERRATIC RADAR 8197X S808	ALTIMETER OPERATION BOLKMS BO105S		ASION STRIP WHICH I	IS BEYOND LIMITS	BLADE 10515141	SEPARATION		HEEA0012361
5210 HEEA 5410	ERRATIC RADAR 8197X S808 M/R BLADE HAS	ALTIMETER OPERATION BOLKMS BO105S SEPARATION ON THE L		ASION STRIP WHICH I	IS BEYOND LIMITS	BLADE 10515141 S.	SEPARATION M/R		HEEA0012361 12/17/97 HEEA0012363
6210 HEEA 6410	ERRATIC RADAR 8197X S808 M/R BLADE HAS 3 81982 S818	BOLKMS BO105S SEPARATION ON THE L BOLKMS	EADING EDGE ABRA		IS BEYOND LIMITS	BLADE 10515141 S. BLADE	SEPARATION M/R DEFECTIVE		HEEA0012361 12/17/97 HEEA0012363 12/17/97
5210 HEEA 5410 HEEA	ERRATIC RADAR 8197X S808 M/R BLADE HAS 3 81982 S818	BOLKMS BOLKMS BO105S SEPARATION ON THE L BOLKMS BO105S	EADING EDGE ABRA		IS BEYOND LIMITS	BLADE 10515141 S. BLADE	SEPARATION M/R DEFECTIVE	1816	HEEA0012361 12/17/97 HEEA0012363 12/17/97
6210 HEEA 6410 HEEA	ERRATIC RADAR 8197X S808 M/R BLADE HAS 3 81982 S818 BLADE S/N 032 OI	ALTIMETER OPERATION BOLKMS BO105S SEPARATION ON THE L BOLKMS BO105S RANGE PAINT FLAKED	EADING EDGE ABRA EXPOSING RUBBER.		IS BEYOND LIMITS	BLADE 10515141 3. BLADE 10531980	SEPARATION M/R DEFECTIVE T/R	1816	HEEA0012361 12/17/97 HEEA0012363 12/17/97 HEEA0012358
5210 HEEA 5410 HEEA	ERRATIC RADAR 8197X S808 M/R BLADE HAS S 81982 S818 BLADE S/N 032 OI 4573B S673 ENGINE REMOVE	BOLKMS BOLKMS BO105S SEPARATION ON THE L BOLKMS BO105S RANGE PAINT FLAKED BOLKMS BO105S	EADING EDGE ABRA EXPOSING RUBBER. ALLSN 250C20B OMPRESSOR SCROLI	L AND VIBRATION. U	6890550	BLADE 10515141 3. BLADE 10531980 SPLINE ADAPTER 23039791	SEPARATION M/R DEFECTIVE T/R WORN	1816	HEEA0012361 12/17/97 HEEA0012363 12/17/97 HEEA0012358 12/18/97 HEEA0012378
5210 HEEA 5410 HEEA 7230 HEEA	ERRATIC RADAR 8197X S808 M/R BLADE HAS S 81982 S818 BLADE S/N 032 OI 4573B S673 ENGINE REMOVE	BOLKMS BO105S SEPARATION ON THE L BOLKMS BO105S RANGE PAINT FLAKED BOLKMS BO105S CD DUE TO CRACKED C	EADING EDGE ABRA EXPOSING RUBBER. ALLSN 250C20B OMPRESSOR SCROLI	L AND VIBRATION. U	6890550	BLADE 10515141 3. BLADE 10531980 SPLINE ADAPTER 23039791	SEPARATION M/R DEFECTIVE T/R WORN COMPRESSOR	1816 375 VICEABLE	HEEA0012361 12/17/97 HEEA0012363 12/17/97 HEEA0012358 12/18/97 HEEA0012378
6210 HEEA 6410 HEEA 7230 HEEA	ERRATIC RADAR 8197X S808 M/R BLADE HAS 3 81982 S818 BLADE S/N 032 OI 4573B S673 ENGINE REMOVE ADAPTER RETAIN	BOLKMS BO105S SEPARATION ON THE L BOLKMS BO105S RANGE PAINT FLAKED BOLKMS BO105S COLUMN BO105S BOLKMS BO105S BOLKMS BO105S BO105S BOTO CRACKED COLUMN BOLK BOLK BOLK BOLK BOLK BOLK BOLK BOLK	EXPOSING RUBBER. ALLSN 250C20B OMPRESSOR SCROLI ISTALLED A NEW SPI	L AND VIBRATION. U	6890550	BLADE 10515141 3. BLADE 10531980 SPLINE ADAPTER 23039791 OF COMPRESSOR PARTS N	SEPARATION M/R DEFECTIVE T/R WORN COMPRESSOR IOTED: WORN BEYOND SER	1816 375 VICEABLE	HEEA0012361 12/17/97 HEEA0012363 12/17/97 HEEA0012358 12/18/97 HEEA0012378 LIMITS ON SPLINE
6210 HEEA 6410 HEEA 7230 HEEA	ERRATIC RADAR 8197X \$808 M/R BLADE HAS 3 81982 \$818 BLADE S/N 032 OI 4573B \$673 ENGINE REMOVE ADAPTER RETAIN 137AE \$851 ENGINE REMOVE	BOLKMS BO105S SEPARATION ON THE L BOLKMS BO105S RANGE PAINT FLAKED BOLKMS BO105S ED DUE TO CRACKED CONING RING GROOVE. IN BOLKMS BOLKMS BOLKMS	EXPOSING RUBBER. ALLSN 250C20B OMPRESSOR SCROLI ISTALLED A NEW SPI ALLSN 250C20B SPECTION. UPON INS	L AND VIBRATION. U LINE ADAPTER.	6890550 JPON INSPECTION 6898735	BLADE 10515141 BLADE 10531980 SPLINE ADAPTER 23039791 OF COMPRESSOR PARTS N COUPLING 6898977	SEPARATION M/R DEFECTIVE T/R WORN COMPRESSOR OTED: WORN BEYOND SER	1816 375 VICEABLE 516	HEEA0012361 12/17/97 HEEA0012363 12/17/97 HEEA0012358 12/18/97 HEEA0012378 LIMITS ON SPLINE 12/18/97 HEEA0012377
6210 HEEA 6410 HEEA 7230 HEEA	ERRATIC RADAR 8197X \$808 M/R BLADE HAS 3 81982 \$818 BLADE S/N 032 OI 4573B \$673 ENGINE REMOVE ADAPTER RETAIN 137AE \$851 ENGINE REMOVE	BOLKMS BO105S SEPARATION ON THE L BOLKMS BO105S RANGE PAINT FLAKED BOLKMS BO105S ED DUE TO CRACKED CONING RING GROOVE. IN BOLKMS BO105S ED DUE TO TURBINE IN	EXPOSING RUBBER. ALLSN 250C20B OMPRESSOR SCROLI ISTALLED A NEW SPI ALLSN 250C20B SPECTION. UPON INS	L AND VIBRATION. U LINE ADAPTER.	6890550 JPON INSPECTION 6898735	BLADE 10515141 BLADE 10531980 SPLINE ADAPTER 23039791 OF COMPRESSOR PARTS N COUPLING 6898977	SEPARATION M/R DEFECTIVE T/R WORN COMPRESSOR OTED: WORN BEYOND SER WORN ENG N1	1816 375 VICEABLE 516	HEEA0012361 12/17/97 HEEA0012363 12/17/97 HEEA0012358 12/18/97 HEEA0012378 LIMITS ON SPLINE 12/18/97 HEEA0012377
6210 HEEA 6410 HEEA 7230 HEEA	ERRATIC RADAR 8197X S808 M/R BLADE HAS : 81982 S818 BLADE S/N 032 OI 4573B S673 ENGINE REMOVE ADAPTER RETAIL 137AE S851 ENGINE REMOVE GAUGE) INSTALL	BOLKMS BO105S SEPARATION ON THE L BOLKMS BO105S RANGE PAINT FLAKED BOLKMS BO105S ED DUE TO CRACKED CONING RING GROOVE. IN BOLKMS BO105S ED DUE TO TURBINE INSTALLANCE ED A NEW N1 COUPLIN	EXPOSING RUBBER. ALLSN 250C20B OMPRESSOR SCROLI ISTALLED A NEW SPI ALLSN 250C20B SPECTION. UPON INSING.	L AND VIBRATION. U LINE ADAPTER.	6890550 JPON INSPECTION 6898735	BLADE 10515141 BLADE 10531980 SPLINE ADAPTER 23039791 OF COMPRESSOR PARTS N COUPLING 6898977 STEP WEAR BEYOND SER	SEPARATION M/R DEFECTIVE T/R WORN COMPRESSOR IOTED: WORN BEYOND SER WORN ENG N1 VICEABLE LIMITS ON N1 CO	1816 375 VICEABLE 516	HEEA0012361 12/17/97 HEEA0012363 12/17/97 HEEA0012358 12/18/97 HEEA0012378 LIMITS ON SPLINE 12/18/97 HEEA0012377 PLINES (FAILED NO-CO

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2211	158BK	BOLKMS				COMPUTER	INOPERATIVE	372	11/24/97
R7MA	7058	BK117A3				117884141	YAW CSAS		98ZZZX105
	COMPUTER UNIT I	NOPERATIVE. REPLA	CED WITH USED UNI	Г, CORRECTED PROI	BLEM.				
6320	7059J	BOLKMS				BEARING	CRACKED		12/15/97
HEEA	7151	BK117B1			1171200501	1171261001	M/R GR BOX		HEEA0012346
	BEARING CRACKE	ED INNER RACE NEAR	TANG.						
6410	7060G	BOLKMS				BLADE	WORN	721	11/22/97
R7MA	7173	BK117B1				11731743	TAIL ROTOR		98ZZZX103
	TAIL ROTOR BLAI	DE HAS PAINT PEELING	G OFF AND RUBBER (COMPOUND IS WORN	N BEYOND SERVICE	EABLE LIMITS. REPLACED	O WITH NEW UNIT, CORRECT	ED PROBI	LEM.
6410	7060G	BOLKMS				BLADE	WORN	721	11/22/97
R7MA	7173	BK117B1				11731743	TAIL ROTOR		98ZZZX104
	TAIL ROTOR BLAI	DE HAS PAINT PEELING	G OFF AND RUBBER (COMPOUND IS WORN	N BEYOND SERVICE	EABLE LIMITS. REPLACED	O WITH NEW UNIT, CORRECT	ED PROBI	LEM.
7250	158BK	BOLKMS	LYC			ROTOR ASSY	FAILED	1529	7/28/97
R7MA	7058	BK117A3	LTS101650B1			414129001	POWER TURBINE		98ZZZX106
	ROTOR ASSY FAIL	ED SB LT101-72-10-015	3, Q-ROTOR = 12.36 G	MIN2. EXCESSIVE II	BPT BLADE SHIFT.	REPLACED WITH USED U	NIT, CORRECTED PROBLEM.	PART TO	ΓAL CYCLES, 3,148.
7250	586BH	BOLKMS	LYC			ROTOR ASSY	FAILED	1486	8/22/97
R7MA	7129	BK117A4	LTS101650B1			414129001	POWER TURBINE	756	98ZZZX107
	ROTOR ASSEMBLY 3,128.	Y FAILED SB LT101-72-	10-0153. EXCESSIVE	IBPT BLADE SHIFT, (Q-ROTOR = 6.77 GM	IN2. REPLACED WITH US	ED UNIT, CORRECTED PROB	LEM. PAR	T TOTAL CYCLES,
7310	134AE	BOLKMS	LYC			FUEL NOZZLE	LEAKING	2246	12/31/97
HEEA	7237	BK117B1	LTS101750B1			430137601	FUEL MANIFOLD		HEEA0012407
	AFTER LEAK CHEO BRAZED TO THE N		-0124, PART II A IT W	AS DISCOVERED TH	AT THE FUEL MANI	FOLD WAS LEAKING AT (ONE OF THE FUEL NOZZLES	WHERE TH	IE RIDGED TUBE IS
6220	524FB	HUGHES				HUB	VIBRATION	1769	11/12/97
	LN004	500N				369D21200	M/R	70	98ZZZX85
	ERRATIC TRACK A	AND BALANCE .89 IPS A	AT 11:00 TO .15 AT 9:0	0 CHANGES BY SHA	KING COLLECTIVE	GRIP LENGTH. ALSO, AP	PEARS TO CHANGE BY PULL	ING ON BI	LADES.
6700		HUGHES				BEARING	BINDING		11/12/97
		500N				369A7301501	FLT CONT IDLER		98ZZZX24
	IDLER BELLCRAN INSPECTION.	K HAS BOTH PIVOT BE	EARINGS PRE-LOADE	D TO A POINT OF NO	ROTATION. BINDI	NG COULD CAUSE BOLT	FAILURE. FOUND ON INCOM	IING ACCI	EPTANCE
6700		HUGHES				BEARING	BINDING		11/12/97
		500N				369A7301501	FLT CONT IDLER		98ZZZX25
	IDLER BELLCRAN	K HAS BOTH PIVOT BE	EARINGS PRELOADEI	O TO A POINT OF NO	ROTATION. FOUNI	D DURING INCOMING ACC	CEPTANCE INSPECTION.		
6700		HUGHES				BEARING	BINDING		11/12/97
		500N				369A7301501	FLT CONT IDLER		98ZZZX26
	IDLER BELLCRAN	K HAS BOTH PIVOT BE	EARINGS PRELOADEI	O TO A POINT OF NO	ROTATION. FOUNI	O ON INCOMING ACCEPTA	ANCE INSPECTION.		
6700		HUGHES				BEARING	BINDING		11/12/97
		500N				369A7301501	FLT CONT IDLER		98ZZZX28
	IDLER BELLCRAN	K FOUND TO HAVE BO	OTH PIVOT BEARINGS	S PRELOADED TO TH	IE POINT OF NO RO	TATION OF BEARING. FO	UND ON INCOMING PARTS I	NSPECTIO	N.

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6700		HUGHES				BEARING	BINDING		11/12/97
		500N				369A7301501	FLT CONT IDLER		98ZZZX27
	IDLER BELLCRAN	K FOUND TO HAVE B	OTH PIVOT BEARING	S PRELOADED TO A	POINT OF NO ROTA	TION. FOUND ON ACCEPTA	ANCE INSPECTION.		
7250	178AC	SKRSKY	PWA			CASE	CRACKED	2205	12/9/97
JYDR	64097	S64F	JFTD12A5A		658199	657087	AFT FLANGE	705	98ZZZX68
	FROM ENG SUPPO DIFFUSER CASE N WAS DUE TO AN I	ORT. ENG FREE TO MO MOUNT LOCATIONS WI IMPROPER REPAIR PER	OVE VERTICALLY, LA HICH WERE DISCOVE RFORMED BY ANOTH	TERALLY, AND FORI ERED CRACKED SHO IER REPAIR STATION	E AND AFT, UNREST RTLY AFTER REPLA AND CONSISTED O	ELD JOINT. FRACTURING (RAINED BY AFT MOUNT. T CEMENT OF FREE TURBINI F INCOMPLETE FUSION IN A IMENT OF APPROVED P & W	THIS MOTION CAUSED D E ASSY. SUBMITTER STA AN EB WELD, MISMATCI	AMAGE TO C	COMPRESSOR E OF AFT FLANGE
2121	31219	SKRSKY				BLOWER	FAILED		12/31/97
HEEA	760230	S76A				7650007901103	AIR BLOWER		HEEA0012403
	BLOWER MOTOR	WILL NOT TURN. REP	LACED WITH SERVIC	CEABLE BLOWER.					
3233	CGHJL	SKRSKY				ACTUATOR	FAILED	19088	11/24/97
B8FR	760214	S76A			S76719441000	1944L200	NLG DOWNLOCK	80	98ZZZX87
****	AIRFRAME) WITH		IES. ACTUATOR NEV			R DOWN) CAUSING THE AII ITIL REMOVAL 1997 FOR LE			
3425	4253S	SKRSKY				INDICATOR	FAILED		12/31/97
HEEA	760035	S76A				1113025	COCKPIT HSI		HEEA0012406
	HSI INDICATOR C	OURSE SET KNOB INO	PERATIVE.						
3457	1546K	SKRSKY				RECEIVER	FAILED		12/17/97
HEEA	760082	S76A				81439000232	2101A GPS		HEEA0012371
	CDI NOT CENTER	ED. 2101A GPS RECEIV	ER MALFUNCTION						
7230	706AE	SKRSKY	ALLSN			GEARSHAFT	WORN	661	12/18/97
HEEA	760275	S76A	250C30S		23051643	23056634	SPUR ADAPTER		HEEA0012375
		D DUE TO TURBINE OV GEAR SHAFT SPLINES.			NG INSPECTION. UP	ON INSPECTION OF COMPR	ESSOR PARTS NOTED: S	STEP WEAR B	EYOND SERVICEABL
7240	3122H	SKRSKY	ALLSN			COMBUSTION LINER	CRACKED		12/22/97
HEEA	760233	S76A	250C30S		23035128	6899081	ENGINE		HEEA0012381
	RECEIVING INSPE	ECTION REVEALED: CI	RACKED BEYOND SE	RVICEABLE LIMITS (ON COMB. LINER IN	NER SKIRT. INSTALLED A D	DALLAS AIRMOTIVE OVE	ERHAULED C	OMB. LINER.
3030	6095S	SNIAS				PITOT HEAD	FAILED	2394	12/22/97
HEEA	2777	AS350B2				334941	TOTALIZER		HEEA0012386
	HEATED PITOT FA	AILED							
3457	350BZ	SNIAS			MAGELLAN	SKYNAV 5000	INTERMITTENT		12/17/97
HEEA	2653	AS350B2				0845000000	COCKPIT GPS		HEEA0012359
	INTERMITTENTLY	Y LOSES ITS SATELLIT	E SIGNALS AND DISI	PLAY WILL GO INTO	FULL DIM.				
					GARMIN INTL	GPS 150	FAILED		12/17/97
3457	4000L	SNIAS			GARMIN INTL	GPS 130	TAILED		14/1///
3457 HEEA	4000L 2873	SNIAS AS350B2			GARMIN INTL	0110005400	COCKPIT GPS		HEEA0012369

DOMECTIC CEDUICE	DIFFICULTY REPORT	CIDANADY III	LICOPTED C (non-4/4)
DOMESTIC SERVICE	ADIFFICULALY KEPUKT	SUMMAKY - HE	LICOPTERS (CONTA

DOMEST	IC SERVICE DIFF	FICULTY REPORT	<u>SUMMARY - HEI</u>	LICOPTERS (cont'	<u>d)</u>		<u>1/4/98 To 1</u>	/10/98 IS:	SUE: 98-02 ZAC-327
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5310	6095S	SNIAS				NOSE SECTION	CRACKED		12/15/97
HEEA	2777	AS350B2					CABIN		HEEA0012349
	REPAIR FIBERGLA INVOICEDWO#9		NOSE SECTION. COR	RRECT PAINT FLAKIN	NG FROM FIBERGLA	SS OF CABIN NOSE SECT	ION REPAIRED BY PHI. PAI	RTS AND LA	BOR WILL BE
6220	6095S	SNIAS				FREQ ADAPTER	SEPARATED	4980	12/22/97
HEEA	2777	AS350B2				ELT302301	M/R		HEEA0012385
	TOP AND BOTTOM	I PLATES SEPARATED.	SERIAL NUMBERS	REMOVED ARE 5470,	, 5473, AND 5468.				
6420	60951	SNIAS				ROTOR SPIDER	BINDING	708	12/15/97
HEEA	2771	AS350B2				350A33200405	T/R		HEEA0012347
	GREASE LEAKAGE	E AND SUSPECTED BIN	DING.						
6720	60951	SNIAS				ROD	WORN	73	12/22/97
HEEA	2771	AS350B2				350A33214501	PITCH CONTROL		HEEA0012383
	PITCH CONTROL I	ROD HAS WORN BEARI	NG.						
7720	6095S	SNIAS				PROBE	FAILED	2424	12/22/97
HEEA	2777	AS350B2				6401497000	TEMP		HEEA0012384
	TEMP PROBE WIL	L NOT TEST PROPERLY	7.						

OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7322	999TD	AMTR	LYC			SERVO	CORRODED		11/1/97
	1546	LONG EZ	IO360A1B6			2524054	FUEL INJECTION		98ZZZX58
****	DURING FLIGHT, AND LACK OF LU		WER FOLLOWING A	ONE 'G' POSITIVE MA	ANEUVER. INVESTI	IGATION FOUND FUEL INJ	ECTION SERVO WAS HANG	ING UP. SU	SPECT CORROSION
8530	3046K	BEECH	CONT			VALVE	WORN	1107	12/10/97
NT2R	E2362	A36	IO550B			646226	NR 3 CYL EXHAUST		98ZZZX6
	ABOUT THE CENT		VAS NOT WORN (NIT	RALOY). NR 2 CYLIN			E STEM WAS FOUND WORN I AND THE EXHAUST VALV		
8520	87SC	BEECH	CONT			BEARING	FAILED	800	12/8/97
	TE441	95C55	IO520C			635439	NR 2 MAIN		98ZZZX19
	DISCLOSED THE S BEARING FAILED	STARTER ADAPTER FA	ILED DUE TO LACK (RESSURE TO DROP V	OF OIL. THIS OCCURI VELL BELOW THE MI	RED AFTER .5 HOUR	RS OF OPERATION. DISASS	FT LANDED WITHOUT INC SEMBLY OF THE ENGINE DI E THE STARTER HOUSING, A	SCLOSED T	HAT NR 2 MAIN
8530	577W	BEECH	CONT			CYLINDER	FAILED	3	12/12/97
	TH375	58	IO520C			653454	ENGINE NR 6		98ZZZX148
	AMOUNT OF OIL O	ON THE NACELLE. UPONED A SCREW HAD BE	ON INVESTIGATION, EN INJESTED INTO T	DISCOVERED THE N	R 6 CYLINDER PUSH	H ROD WAS BENT AND PU	I LANDING, PILOT ALSO NO SH ROD TUBE HAD BROKEN UNTABILITY OF HARDWAR	N. AFTER C	YLINDER REMOVAL,
		THE POSSIBILITY OF T							
	406EH	BELL	ALLSN			SCROLL	MIS MANUFACTURED		12/22/97
7230 HEEA	406EH 45183	BELL 206L1	ALLSN 250C28B		23033191	6898960	ENGINE		
	406EH 45183	BELL 206L1	ALLSN 250C28B	OT MACHINED. INS			ENGINE		12/22/97
	406EH 45183	BELL 206L1	ALLSN 250C28B	OT MACHINED. INST		6898960	ENGINE	539	12/22/97
HEEA	406EH 45183 RECEIVING INSPE	BELL 206L1 ECTION REVEALED: AI	ALLSN 250C28B R TUBE SOCKET ID N	FOT MACHINED. INST		6898960 AULED DALLAS AIRMOTI	ENGINE VE SCROLL.	539	12/22/97 HEEA0012382
7250	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE	BELL 206L1 ECTION REVEALED: AI BELL 206L3	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P //ERHAUL. UPON INS		TALLED AN OVERH 23053349	6898960 AULED DALLAS AIRMOTT COUPLING 23032345	ENGINE VE SCROLL. WORN		12/22/97 HEEA0012382 12/18/97 HEEA0012376
7250 HEEA	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P //ERHAUL. UPON INS		TALLED AN OVERH 23053349	6898960 AULED DALLAS AIRMOTT COUPLING 23032345	ENGINE VE SCROLL. WORN ENG N1		12/22/97 HEEA0012382 12/18/97 HEEA0012376
7250	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW NI COUPLIN	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS		TALLED AN OVERH 23053349	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW	ENGINE VE SCROLL. WORN ENG N1 / SERVICEABLE LIMITS ON	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO
7250 HEEA	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW N1 COUPLIN BELL	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS IG. ALLSN 250C20		TALLED AN OVERH 23053349	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP	ENGINE VE SCROLL. WORN ENG N1 / SERVICEABLE LIMITS ON WORN	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO
7250 HEEA	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW N1 COUPLIN BELL 206L3	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS IG. ALLSN 250C20		TALLED AN OVERH 23053349	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP	ENGINE VE SCROLL. WORN ENG N1 / SERVICEABLE LIMITS ON WORN	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO
7250 HEEA 7314 HEEA	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303 FUEL PUMP WORN	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW NI COUPLIN BELL 206L3 N DRIVE SHAFT SPLINE	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS IG. ALLSN 250C20 ES AND GEARS.		TALLED AN OVERH 23053349	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP 3881005	ENGINE VE SCROLL. WORN ENG N1 7 SERVICEABLE LIMITS ON WORN ENGINE	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO 12/31/97 HEEA0012408
7250 HEEA 7314 HEEA 7320	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303 FUEL PUMP WORN 210PH 51541	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW N1 COUPLIN BELL 206L3 N DRIVE SHAFT SPLINE BELL	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS NG. ALLSN 250C20 ES AND GEARS. ALLSN 250C30P	PECTION OF TURBIN	TALLED AN OVERH 23053349 TE PARTS NOTED: II	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP 3881005 METERING VALVES 2537739	ENGINE VE SCROLL. WORN ENG N1 / SERVICEABLE LIMITS ON WORN ENGINE UNBONDED	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO 12/31/97 HEEA0012408
7250 HEEA 7314 HEEA 7320	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303 FUEL PUMP WORN 210PH 51541	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW N1 COUPLIN BELL 206L3 N DRIVE SHAFT SPLINE BELL 206L3	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS NG. ALLSN 250C20 ES AND GEARS. ALLSN 250C30P	PECTION OF TURBIN	TALLED AN OVERH 23053349 TE PARTS NOTED: II	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP 3881005 METERING VALVES 2537739	ENGINE VE SCROLL. WORN ENG N1 / SERVICEABLE LIMITS ON WORN ENGINE UNBONDED	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO 12/31/97 HEEA0012408
7250 HEEA 7314 HEEA 7320 HEEA	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303 FUEL PUMP WORN 210PH 51541 METERING VALVE	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW NI COUPLIN BELL 206L3 N DRIVE SHAFT SPLINE BELL 206L3 ESLEEVE ASSEMBLY U	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS IG. ALLSN 250C20 ES AND GEARS. ALLSN 250C30P UNBONDED. SCRAPP	PECTION OF TURBIN	TALLED AN OVERH 23053349 TE PARTS NOTED: II	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP 3881005 METERING VALVES 2537739 LE PART.	ENGINE VE SCROLL. WORN ENG N1 7 SERVICEABLE LIMITS ON WORN ENGINE UNBONDED ENGINE	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO 12/31/97 HEEA0012408 12/17/97 HEEA0012372
7250 HEEA 7314 HEEA 7320 HEEA	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303 FUEL PUMP WORN 210PH 51541 METERING VALVE 210PH 51541	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW N1 COUPLIN BELL 206L3 N DRIVE SHAFT SPLINE BELL 206L3 E SLEEVE ASSEMBLY U BELL	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS NG. ALLSN 250C20 ES AND GEARS. ALLSN 250C30P UNBONDED. SCRAPPI ALLSN 250C30P	PECTION OF TURBIN	TALLED AN OVERH 23053349 TE PARTS NOTED: II	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP 3881005 METERING VALVES 2537739 LE PART. BELLOWS 2543598	ENGINE VE SCROLL. WORN ENG N1 / SERVICEABLE LIMITS ON WORN ENGINE UNBONDED ENGINE DEFECTIVE	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO 12/31/97 HEEA0012408 12/17/97 HEEA0012372
7250 HEEA 7314 HEEA 7320 HEEA	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303 FUEL PUMP WORN 210PH 51541 METERING VALVE 210PH 51541	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW N1 COUPLIN BELL 206L3 N DRIVE SHAFT SPLINE BELL 206L3 E SLEEVE ASSEMBLY U BELL 206L3	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS NG. ALLSN 250C20 ES AND GEARS. ALLSN 250C30P UNBONDED. SCRAPPI ALLSN 250C30P	PECTION OF TURBIN	TALLED AN OVERH 23053349 TE PARTS NOTED: II	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP 3881005 METERING VALVES 2537739 LE PART. BELLOWS 2543598	ENGINE VE SCROLL. WORN ENG N1 / SERVICEABLE LIMITS ON WORN ENGINE UNBONDED ENGINE DEFECTIVE	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO 12/31/97 HEEA0012408 12/17/97 HEEA0012372
7250 HEEA 7314 HEEA 7320 HEEA	406EH 45183 RECEIVING INSPE 3107N 51512 ENGINE REMOVE GAUGE) INSTALL 141BH 51303 FUEL PUMP WORN 210PH 51541 METERING VALVE 210PH 51541 ACCELERATION E	BELL 206L1 ECTION REVEALED: AI BELL 206L3 D DUE TO TURBINE OV ED A NEW NI COUPLIN BELL 206L3 N DRIVE SHAFT SPLINE BELL 206L3 E SLEEVE ASSEMBLY U BELL 206L3 BELL 206L3 BELL 206L3 BELL 206L3	ALLSN 250C28B R TUBE SOCKET ID N ALLSN 250C30P VERHAUL. UPON INS NG. ALLSN 250C20 ES AND GEARS. ALLSN 250C30P UNBONDED. SCRAPPI ALLSN 250C30P	PECTION OF TURBIN	TALLED AN OVERH 23053349 TE PARTS NOTED: II	6898960 AULED DALLAS AIRMOTT COUPLING 23032345 NTERNAL SPLINES BELOW FUEL PUMP 3881005 METERING VALVES 2537739 LE PART. BELLOWS 2543598 EABLE PART.	ENGINE VE SCROLL. WORN ENG N1 7 SERVICEABLE LIMITS ON WORN ENGINE UNBONDED ENGINE DEFECTIVE ENGINE CONTROL	N1 COUPLI	12/22/97 HEEA0012382 12/18/97 HEEA0012376 NG (FAILED NO-GO 12/31/97 HEEA0012408 12/17/97 HEEA0012372

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7322	47AH	BELL	LYC			BELLOWS	FAILED		10/28/97
	2645	47G3B	TVO435A1A		MA6AA	293548	CARB MIXTURE	1086	98ZZZX84
****	(MODEL MA-6AA, DOWN INSPECTIO	SN AH-1-383) CARBUR	RETOR WAS BENCH T ESIN ADHESIVE MISS	ESTED BY THE NTSE SING. THIS ADHESIV	B AND WOULD ONL' E LOCKS THE BELL	Y PERFORM APPROXIMAT	NOT OPERATE ABOVE 1500 TELY 50 PERCENT CAPACIT HE AUTOMATIC MIXTURE	Y. DURING	CARBURETOR TEAR
7230	4573B	BOLKMS	ALLSN			SPLINE ADAPTER	WORN	375	12/18/97
HEEA	S673	BO105S	250C20B		6890550	23039791	COMPRESSOR		HEEA0012378
		D DUE TO CRACKED C NING RING GROOVE. IN			UPON INSPECTION (OF COMPRESSOR PARTS N	IOTED: WORN BEYOND SE	RVICEABLE	LIMITS ON SPLINE
7250	137AE	BOLKMS	ALLSN			COUPLING	WORN	516	12/18/97
HEEA	S851	BO105S	250C20B		6898735	6898977	ENG N1		HEEA0012377
		D DUE TO TURBINE IN ED A NEW N1 COUPLIN		SPECTION OF TURBI	NE PARTS NOTED:	STEP WEAR BEYOND SER	VICEABLE LIMITS ON N1 C	OUPLING SP	LINES (FAILED NO-GO
7261	131AE	BOLKMS	ALLSN			INTERNAL SUMP	MAKING METAL		1/2/98
HEEA	S787	BO105S	250C20B		6898735	6888547	ENGINE		HEEA0012419
	ENGINE REMOVE	D DUE TO METAL IN O	IL. UPON INSPECTION	ON OF TURBINE PART	TS NOTED: ERODED	BEYOND SERVICEABLE	LIMITS ON INTERNAL SUM	P SEALS AN	D CRACKED.
7250	158BK	BOLKMS	LYC			ROTOR ASSY	FAILED	1529	7/28/97
R7MA	7058	BK117A3	LTS101650B1			414129001	POWER TURBINE		98ZZZX106
	ROTOR ASSY FAII	LED SB LT101-72-10-01:	53, Q-ROTOR = 12.36 (GMIN2. EXCESSIVE I	BPT BLADE SHIFT.	REPLACED WITH USED U	NIT, CORRECTED PROBLE	M. PART TOT	AL CYCLES, 3,148.
7250	586BH	BOLKMS	LYC			ROTOR ASSY	FAILED	1486	8/22/97
R7MA	7129	BK117A4	LTS101650B1			414129001	POWER TURBINE	756	98ZZZX107
	ROTOR ASSEMBL 3,128.	Y FAILED SB LT101-72	-10-0153. EXCESSIVE	E IBPT BLADE SHIFT,	Q-ROTOR = 6.77 GM	IN2. REPLACED WITH US	ED UNIT, CORRECTED PRO	BLEM. PAR	Γ TOTAL CYCLES,
7310	134AE	BOLKMS	LYC			FUEL NOZZLE	LEAKING	2246	12/31/97
HEEA	7237	BK117B1	LTS101750B1			430137601	FUEL MANIFOLD		HEEA0012407
	AFTER LEAK CHE BRAZED TO THE I)-0124, PART II A IT W	AS DISCOVERED TH	IAT THE FUEL MANI	FOLD WAS LEAKING AT (ONE OF THE FUEL NOZZLE	S WHERE TH	E RIDGED TUBE IS
7414	94112	CESSNA	LYC		SLICK	MAGNETO	FAILED	182	12/18/97
	15285600	152	O235L2C			4381	LT MAGNETO		98ZZZX102
		NEW 4381 MAGNETOS UPLING. NO DAMAGE			TATING MAGNET A	PPEARS TO HAVE FAILED	DUE TO FACTORS UNKNO	WN. RESUL	T IS A BENT SHAFT A
7414	73671	CESSNA	LYC		ELECTROSYS	COIL	CRACKED		12/22/97
	17267605	172M	O320H2AD		D4RN2021	ES103827901	MAGNETO	452	98ZZZX99
		D 10-10. MAGNETO WA		//			RACKED. COILS HAD THE I D ON 8-15-96. SUSPECT CA		
7414	6831M	CESSNA	CONT		SLICK	MAGNETO	FAILED	1000	12/14/97
	2106994	210M	IO520L			6310	RT MAGNETO		98ZZZX100
			*			O BLOCK AND GEAR BEAI ECTION AS RECOMMENDE	RINGS WORN SEVERELY A	ND GEAR DA	MAGED, TEETH VER

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7421	4667Q	CESSNA	CONT		CHAMPION	SPARK PLUG	SHORTED		12/10/97
	21059567	210L	IO520L			RHB32E	ELECTRODE		98ZZZX12
		G NEW SPARK PLUGS, ENTER ELECTRODE.	THE ENGINE RAN RO	OUGH. WHEN INSPEC	CTING THE SPARK P	LUGS, THREE WERE FOUN	O MILLED IMPROPERLY	AND SMALL	SLIVERS OF METAL
8520	401GS	CESSNA	CONT			LIFTER	GALLED	168	10/14/97
EBTR	401A0063	401A	TSIO520EB			SA646277	ENGINE		98ZZZX115
	LIFTER/CAMSHA	FT GALLED. LIFTER BO	ODY CHIP FOUND IN	OIL FILTER. PRESSU	RE RELIEF VALVE (CAUSING LOW OIL PRESSU	RE. ENGINE TORN DOW	N, NEW PART	S INSTALLED.
8520	401GS	CESSNA	CONT			CAMSHAFT	GALLED	168	10/14/97
EBTR	401A0063	401A	TSIO520EB			SA649520A3	ENGINE		98ZZZX114
	LIFTER/CAMSHA	FT GALLED. LIFTER BO	ODY CHIP FOUND IN	OIL FILTER. PRESSU	RE RELIEF VALVE (CAUSING LOW OIL PRESSU	RE. ENGINE TORN DOW	N, NEW PART	S INSTALLED.
8520	869CB	CESSNA	CONT			BOLT	FAILED		12/23/97
	421B0863	421B	GTSIO520H			538811	CRANKCASE		98ZZZX138
	EXHAUST CROSS	-OVER TUBE. REMOVE	ED TUBE, FOUND HE	AD OF BOLT POPPED	OFF. BOLT HEAD C	D LOWER CRANKCASE JUS IR WASHER PN 401507 COU JLED ENGINE FOR TCM CO	LD NOT BE LOCATED IN	COWLING. I	NSTALLED NEW BOLT
8520	8262D	LKHEED	CONT			BOLTS	LOOSE	925	12/5/97
	CE1645	T33A	IO520BB				LOWER CASE		98ZZZX38
	FOUND 3 EACH .2 ENOUGH TO ROT	5 INCH FLANGE BOLTS	S AND 1 EACH .3125 I TED MOST LIKELY W	NCH THROUGH-BOL VAS NEVER TIGHTEN	T LYING IN PAN ALO	IND LOOSE BOLT LAYING DNG WITH NUTS AND WAS ACTORY. SHOULD HAVE I	HERS. ALL OTHER CASE	E (LOWER) BO	OLTS WERE LOOSE
7261	46AK	MTSBSI	GARRTT			OIL JET	BROKE	3227	12/2/97
DJFR	754SA	MU2B60	TPE33110		310180711	8961734	GEARBOX		98ZZZX155
	OIL JET BROKE A	ND LODGED ITSELF IN	PLANETARIES AND	RING GEAR. RING G	EAR BROKE AND CO	OUPLER SHAFT SHEARED I	RESULTING IN ENGINE S	HUT DOWN.	
8550	2083G	PIPER	LYC			IMPELLER	WRONG PART		11/18/97
	28R7918014	PA28RT201	IO360C1C6		78528	60746	OIL PUMP		98ZZZX41
			OT NITRIDE HARDEN	ED. THIS IS CONTRA	ARY TO THE INSTRU	EN ASSEMBLED WITH A L'CTIONS IN LYC SB 524. TH	IS WAS A LYC FACTORY	OVERHAUL	ED ENGINE SEVERAL
	YEARS AGO. THE WAS NOT EXCESS	ERE WAS NO RECORD (SIVELY WORN.	OF OIL PUMP REPAIR	SINCE OVERHAUL E	THE IMPEL	LER, EVEN THOUGH NOT C	ORRECT IN COMBINATI	ON WIIII III	
7414			LYC	SINCE OVERHAUL E	SLICK	IMPULSE COUPLING	DEFECTIVE	400	11/1/97
7414	WAS NOT EXCESS	SIVELY WORN.		SINCE OVERHAUL E					, ,
7414	WAS NOT EXCESS 1132Q 327740046	SIVELY WORN. PIPER	LYC IO540K1G5		SLICK 6351	IMPULSE COUPLING			11/1/97
	WAS NOT EXCESS 1132Q 327740046	SIVELY WORN. PIPER PA32300	LYC IO540K1G5		SLICK 6351	IMPULSE COUPLING		400	11/1/97
	WAS NOT EXCESS 1132Q 327740046 IMPULSE COUPLI	SIVELY WORN. PIPER PA32300 NG HAS JUST UNDER 4	LYC IO540K1G5 000 HOURS TIME IN S		SLICK 6351 ECTIVE.	IMPULSE COUPLING M3333	DEFECTIVE	400	11/1/97 98ZZZX5
	WAS NOT EXCESS 1132Q 327740046 IMPULSE COUPLI 8127K 327940268	SIVELY WORN. PIPER PA32300 NG HAS JUST UNDER 4 PIPER	LYC IO540K1G5 000 HOURS TIME IN S LYC IO540K1G5	ERVICE AND IS DEFE	SLICK 6351 SCTIVE. SLICK	IMPULSE COUPLING M3333 IMPULSE COUPLING	DEFECTIVE	400	11/1/97 98ZZZX5 11/1/97
7414 7414 8520	WAS NOT EXCESS 1132Q 327740046 IMPULSE COUPLI 8127K 327940268	PIPER PA32300 NG HAS JUST UNDER 4 PIPER PA32300	LYC IO540K1G5 000 HOURS TIME IN S LYC IO540K1G5	ERVICE AND IS DEFE	SLICK 6351 SCTIVE. SLICK	IMPULSE COUPLING M3333 IMPULSE COUPLING	DEFECTIVE	400	11/1/97 98ZZZX5 11/1/97
7414	WAS NOT EXCESS 1132Q 327740046 IMPULSE COUPLI 8127K 327940268 MAGNETO REMO	PIPER PA32300 NG HAS JUST UNDER 4 PIPER PA32300 VED AT 500 HOURS TIS	LYC IO540K1G5 000 HOURS TIME IN S LYC IO540K1G5 S DUE TO IMPULSE C	ERVICE AND IS DEFE	SLICK 6351 SCTIVE. SLICK	IMPULSE COUPLING M3333 IMPULSE COUPLING M3333	DEFECTIVE DEFECTIVE	500	11/1/97 98ZZZX5 11/1/97 98ZZZX9

DOMESTIC SEDVICE	E DIFFICULTY REPORT	CIMMMADV	ENCINES (cont'd)
DOMESTIC SERVICE	S DIFFICULTY KEPOKT	SUMMARY	- ENGINES (CONTA)

DOMEST	DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - ENGINES (cont'd) 1/4/98 To 1/10/98 ISSUE: 98-02 ZAC-327										
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO		
7230	706AE	SKRSKY	ALLSN			GEARSHAFT	WORN	661	12/18/97		
HEEA	760275	S76A	250C30S		23051643	23056634	SPUR ADAPTER		HEEA0012375		
		D DUE TO TURBINE OV EAR SHAFT SPLINES. I			IG INSPECTION. UPC	ON INSPECTION OF COMPR	ESSOR PARTS NOTED: 5	STEP WEAR E	BEYOND SERVICEABLE		
7240	3122H	SKRSKY	ALLSN			COMBUSTION LINER	CRACKED		12/22/97		
HEEA	760233	S76A	250C30S		23035128	6899081	ENGINE		HEEA0012381		
	RECEIVING INSPEC	CTION REVEALED: CR	ACKED BEYOND SER	VICEABLE LIMITS O	ON COMB. LINER INN	ER SKIRT. INSTALLED A I	OALLAS AIRMOTIVE OVI	ERHAULED C	OMB. LINER.		

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - ENGINES)

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5122	924RM	BEECH				GOVERNOR	FAILED		12/19/97
	BE63	B100			WOODWARD	8210260	PROPELLER	294	98ZZZX94
****	OF THE PROP GOV	VERNOR SPLINED SHAI	T. THE MOUNT BOL	T WAS STILL SECUR	RE IN THE ARM. TH	LANDING WAS PERFORMI IS IS THE SECOND OCCUR R SECURITY TEST AND TH	RENCE OF A B-100, ONE F	AILED ARM I	HAD A SAFETY AND
452	2272J	BELL				TRANSPONDER	FAILED		12/31/97
HEEA	3620	206B3			KT76	066106200	COCKPIT		HEEA0012393
	NO INDICATION C CHECK GOOD.	OF INTERROGATION. PI	ERFORMED PRELIMI	NARY INSPECTION.	FOUND REPLY LIGI	HT DIM, REPLACED V301 F	PHOTOCELL, REPAIRED.	ADJUSTED UI	NIT TO SPECS. BENC
3452	129MR	BELL				TRANSPONDER	FAILED		12/31/97
HEEA	51129	206L3			KT76	066106200	COCKPIT		HEEA0012394
		Q415, Q401, Q402, C401,				IT. RESOLDERED Q402. U T RECEIVING. FOUND Q42			
3457	2275Y	BELL			MAGELLAN	SKYNAV 5000	INTERMITTENT		12/17/97
HEEA	3626	206B3				0845000000	COCKPIT GPS		HEEA0012368
	GPS OPERATED IN	NTERMITTENTLY.							
3457	2777D	BELL			MAGELLAN	SKYNAV 5000	FAILED		12/17/97
HEEA	45299	206L1				0845000000	COCKPIT GPS		HEEA0012367
	GPS WILL NOT UP	PDATE POSITION.							
2340	27805	BELL				INTERPHONE BOX	FAILED		12/17/97
HEEA	31106	212				A3016W	CO PILOT		HEEA0012362
	CO-PILOT CANNO	T RECEIVE ON ANY RA	ADIO OR THE INTERC	OM, BUT CAN TRAN	NSMIT BUT WITHOU	T ANY SIDETONE. REPLAC	CED WITH SERVICEABLE	PART.	
3450	230UN	BELL				CONTROL	CHIPPED		12/17/97
HEEA	23009	230				071121627	COCKPIT NAV		HEEA0012365
	PAINT CHIPPED. P	PERFORMED PRELIMIN	ARY INSPECTION. FO	OUND PAINT ON FAC	CEPLATE CHIPPED.	REPLACED FACEPLATE PA	/N 088-1103-18. REPAIRED	BENCH CHE	ECK GOOD.
2312	403PH	BELL				TRANSCEIVER	DEFECTIVE		12/31/97
HEEA	53177	407				064105430	COCKPIT		HEEA0012405
						IRED. FOUND AUDIBLE T WHEN REMOVED FOR CHI			
3457	403PH	BELL				RECEIVER	FAILED	307	12/31/97
HEEA	53177	407				13824120234	GPS		HEEA0012411
	GPS RECEIVER CO	ONTINUES TO READ "A	NTENNA FAULT" AFT	TER BAD ANTENNA	WAS REPLACED.				
2312	2149S	BELL				CONTROL	FAILED		12/17/97
HEEA	36002	412				071121570	COMM NR 2		HEEA0012366
	DISPLAY STAYS B	BRIGHT. PERFORMED P	RELIMINARY INSPEC	CTION. FOUND DISP	LAY NOT DIMMING	. REPLACED V101 PHOTO	CELL. REPAIRED. ALSO I	REPLACED IN	TERMITTENT

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2312	21498	BELL				COMM CONTROL	FAILED		12/31/97
HEEA	36003	412				071121540	COCKPIT		HEEA0012402
		DISPLAY SOMETIMES I ECKED 28V LIGHTING			RY INSPECTION. RE	PLACED DISPLAY LENS.	REPAIRED. ALSO REPLACEI	РНОТОС:	ELL LENS AND
2370	2261D	BELL				CVR	SHORTED		12/31/97
HEEA	33076	412				9806020023	COCKPIT		HEEA0012410
	CVR DOES NOT CO	OME ON. POWER WAS	SHORTED TO GROUP	ND.					
3421	108X	BELL				INDICATOR	FAILED		12/3/97
HEEA	33115	412				222375033103	COCKPIT ATTITUDE		HEEA0012187
	ATTITUDE INDICA	ATOR PRECESSES IN PI	TCH AND ROLL. TIM	ME SINCE REPAIR 186	5:10.				
3457	1202T	BELL				RECEIVER	ERRATIC		12/17/97
HEEA	33112	412				81439000232	2101A GPS		HEEA0012370
	TURNING KNOB G	IVES ERRATIC READIN	NGS.						
3444	137AE	BOLKMS				ALTIMETER	ERRATIC		12/17/97
HEEA	S851	BO105S				066106103	COCKPIT		HEEA0012361
	ERRATIC RADAR	ALTIMETER OPERATIO	N.						
2211	158BK	BOLKMS				COMPUTER	INOPERATIVE	372	11/24/97
R7MA	7058	BK117A3				117884141	YAW CSAS		98ZZZX105
	COMPUTER UNIT	INOPERATIVE. REPLA	CED WITH USED UNI	T, CORRECTED PROI	BLEM.				
3418	511AC	CESSNA				SWITCH	FAILED	1837	11/11/97
	5250090	525				A233103	AOA HEAT		98ZZZX90
	AOA PROBE WOU	LD NOT HEAT. TRACE	D PROBLEM TO DEFI	ECTIVE SWITCH.					
6122	690HT	GULSTM			WOODWARD	GOVERNOR	FAILED		12/18/97
	11467	690B				8954908	PROPELLER	2138	98ZZZX112
****	WENT TO RED LIN WHICH ELIMINAT	IE, PILOT SHUT ENGINI ED OIL SUPPLY TO NE G OIL JET, CONTAMINA	E DOWN. INTERNAL GATIVE SIDE OF TOR	FAILURE OF PROP G QUE SENSOR. PLUC	OV RESULTED IN M GGED ADAPTER 3101	ETAL EXITING THE PROP 708 ELIMINATING OIL SU	LER WENT TOWARD COURSE GOV THRU OIL PASSAGES. IPPLY TO POSITIVE SIDE OF OR NTS SYSTEM TO FUNCTI	CLOGGEI TORQUE S	NTS CHECK VALVE ENSOR, PLUGGED
3457	400HK	HOACAU				GPS	MISWIRED		5/15/97
	36400	HK36R				KLX135	COCKPIT		98ZZZX117
	INSTALLATION M	ANUAL AND FOUND U	NIT TO OPERATE TO	SPECIFICATION. MA	ANUAL NR 006-10500	0-0001. SUBMITTER RECC	D UNIT IMPROPERLY WIRED MMENDED THAT AVIONICS NCE RELEASE WAS DELIVE	SHOPS W	IRING SYSTEMS
6122	157MA	MTSBSI			WOODWARD	GOVERNOR	FAILED		12/12/97
	424SA	MU2B40				8210115	PROPELLER		98ZZZX82
	TROUBLESHOT BY	Y MAINTENANCE FOUR	ND BETA SYSTEM OK OVERNOR WOULD T	X. PROPELLER GOVE TRY TO FEATHER PR	RNOR REPLACED W	/ITH OVERHAULED UNIT	AIRCRAFT RETURNED TO RI SYSTEM CHECKED OK. ON E. GOVERNOR SENT TO WC	GROUND	RUN DURING

DOMESTIC SERVICE	DIFFICULTY REPORT SI	UMMARY - COMPONENTS (co	ont'd
- DOMESTIC SERVICE	CHICCICULT EREPURT SU	DIVIDIAR I - CONTRONENTS CO	om a

<u>DOMESTI</u>	IC SERVICE DIFF	ICULTY REPORT	<u>SUMMARY - CON</u>	MPONENTS (cont	<u>'d)</u>		<u>1/4/98 To 1</u>	1/10/98 IS	SUE: 98-02 ZAC-327
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3425	4253S	SKRSKY				INDICATOR	FAILED		12/31/97
HEEA	760035	S76A				1113025	COCKPIT HSI		HEEA0012406
	HSI INDICATOR CO	OURSE SET KNOB INO	PERATIVE.						
3457	1546K	SKRSKY				RECEIVER	FAILED		12/17/97
HEEA	760082	S76A				81439000232	2101A GPS		HEEA0012371
	CDI NOT CENTERE	ED. 2101A GPS RECEIVI	ER MALFUNCTION						
3457	350BZ	SNIAS			MAGELLAN	SKYNAV 5000	INTERMITTENT		12/17/97
HEEA	2653	AS350B2				0845000000	COCKPIT GPS		HEEA0012359
	INTERMITTENTLY	LOSES ITS SATELLITI	E SIGNALS AND DISPI	LAY WILL GO INTO	FULL DIM.				
3457	4000L	SNIAS			GARMIN INTL	GPS 150	FAILED		12/17/97
HEEA	2873	AS350B2				0110005400	COCKPIT GPS		HEEA0012369
	INTERNAL BATTE	RY DEAD.							

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS)

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6110		ВЕЕСН		HARTZL		BEARING	CORRODED	5358	1/1/96
		D18S		HCB3R302		1851	PROP ASSY	1355	EY2R9600290
	PROP ASSY BEAR	ING IS CORRODED							
6110		ВЕЕСН		HARTZL		BEARING	CORRODED	5358	1/1/96
		D18S		HCB3P302		1851	PROP ASSY	1355	EY2R9600289
	PROP ASSY BEAR	ING IS CORRODED							
5111	6278R	CESSNA		MCAULY		BLADE	BROKE		11/1/97
	172RG0139	172RG		B2D34C220			PROPELLER		98ZZZX35
	APPROXIMATELY	4 INCHES OF PROPELI	LER TIP BROKE OFF I	N-FLIGHT. AIRCRAF	T MADE EMERGEN	CY LANDING.			
5110		CESSNA		MCAULY		CYLINDER	CORRODED	1234	12/1/96
		310L		D3AF32C87		C3550	PROPELLER ASSY	436	EY2R9601302
	CYLINDER FOUN	D WITH CORROSION.							
6110		CESSNA		MCAULY		CYLINDER	CORRODED	1234	12/1/96
		310L		D3AF32C87		C3550	PROPELLER ASSY	436	EY2R9601301
	CYLINDER FOUN	D WITH CORROSION.							
6114		CESSNA		MCAULY		HUB	CORRODED		4/1/96
		310L		3AF32C*		D7037C80	PROPELLER ASSY		EY2R9600489
	CORROSION FOU	ND ON HUB.							
6114		CESSNA		MCAULY		HUB	CORRODED		4/1/96
		310L		3AF32C*		D7037C80	PROPELLER ASSY		EY2R9600488
	CORROSION FOU	ND ON HUB.							
5114		CESSNA		MCAULY		HUB	CORRODED		6/1/96
		441		4HFR34C660		D5886C601	PROPELLER ASSY		EY2R9600773
	HUB FOUND COR	RODED.							
5114		CESSNA		MCAULY		HUB	CORRODED		6/1/96
		441		4HFR34C660		D5886C601	PROPELLER ASSY		EY2R9600772
	HUB FOUND COR	RODED.							
6110		EMB		HARTZL		STEEL BALL	CORRODED	8331	1/1/96
		EMB110*		HCB3TN3		790100018	PROP ASSY	2830	EY2R9600293
	PROP ASSY STEEL	L BALL IS CORRODED							
5110		EMB		HARTZL		BEARING	CORRODED	8331	1/1/96
		EMB110*		HCB3TN3		1851T	PROP ASSY	2830	EY2R9600292
	PROP ASSY BEAR	ING IS CORRODED							
6110		EMB		HARTZL		CLAMP	CORRODED	8331	1/1/96
		EMB110*		HCB3TN3		130195	PROP ASSY	2830	EY2R9600291
	PROP ASSY CLAM	IP IS CORRODED							

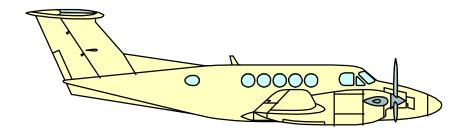
DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - PROPE	LLERS	(cont'd)
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(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS)

DOMESTI	OMESTIC SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS (cont'd) 1/4/98 To 1/10/98 ISSUE:									
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO	
6111		MOONEY		MCAULY		BLADE	CORRODED		5/1/96	
		M20		B2D34C53		74E0	PROPELLER ASSY		EY2R9600628	
	BLADE, SN A5868, I	FOUND CORRODED.								
6111		MOONEY		MCAULY		BLADE	CORRODED		5/1/96	
		M20		B2D34C53		74E0	PROPELLER ASSY		EY2R9600627	
	BLADE, SN A10840,	FOUND CORRODED.								



INTERNATIONAL SERVICE DIFFICULTY REPORT



ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3222		AMTR	LYC	HARTZL		GEAR LEG	FAILED		3/21/97
		EXPRESSFT	IO540N1A5	HCF3YR1		4000004	NLG		AU970333
	(AUS) NOSE LAND	ING GEAR LEG FAILED)						
2701		AMTR				CONTROL COLUMN	BROKEN		6/10/97
		EAGLEXL2				54130SF198ZA	HAND GRIP		AU970729
	(AUS) CONTROL C	OLUMN HAND GRIP BI	ROKEN						
3213		AMTRNC				PIVOT	CRACKED		6/23/97
		320LANCAIR				GM0013	MLG LUG		AU970683
	COMPARISON OF	THE LH AND RH MAIN	LANDING GEAR LU	GS FOUND THAT THI	E MATERIAL THICK	NESS ON THE CRACKED L	「OF HEAVY DUTY OUTBAC H LUGS WAS ONLY 3.175MM INED ONE HEAVY DUTY LE	M (0.125IN)	COMPARED TO
5711		AYRES	PWA	HARTZL	AYRES	WEB	CRACKED		6/17/97
		S2RT34NORMAL	PT6A34AG	HCB3TN3		202732LH	WING SPAR		AU970695
	(AUS) LH WING IN	BOARD WEB CRACKE	D - DUPLICATE OF N	MDR 97/0667					
5711		AYRES	PWA	HARTZL	AYRES	WEB	CRACKED		6/17/97
		S2RT34NORMAL	PT6A34AG	HCB3TN3		202732LH	WING SPAR		AU970667
	(AUS) LH WING IN	BOARD WEB CRACKEI)						
3230		BEECH	PWA			LANDING GEAR	FAULTY		5/31/97
		B200C	PT6A42				EMERG EXT LEVER		AU970666
	RESET, EMERGEN	CY SYSTEM DISENGAC THE CLUTCH AREA - C	GED AND LANDING	GEAR EXTENDED NO	RMALLY - INSPECT	TION COULD FIND NO APPA)AMP CIRCUIT BREAKER PO ARENT DEFECT IN SYSTEM UTION - RETRACTION CHEC	APART FRO	OM A BUILDUP OF
6123		BEECH		HARTZL		ACCUMULATOR	FAULTY		4/12/97
		76		HCM2YR		8907	PROP FEATHER		AU970622
	(AUS) PROPELLER	UNFEATHERING ACCU	JMULATOR LEAKIN	IG INTERNALLY CAU	SING LOSS OF AIR O	CHARGE - SUSPECT WORN	PISTON `O' RING SEALS		
3230		BEECH	PWA	HARTZL		CIRCUIT BREAKER	INTERMITTENT		5/17/97
		C90	PT6A20	HCB3TN3		70000150	MLG MOTOR		AU970736
	(AUS) LANDING G	EAR MOTOR 50AMP CI	RCUIT BREAKER IN	TERMITTENT					
5730		BEECH	CONT	MCAULY	BEECH	SKIN	CORRODED		6/12/97
		95B55	IO470L	2AF34C55		95110014206	WS 66 TO 80		AU970651
	(AUS) RH WING LO BETWEEN WS 66.0		O THROUGH AT FOR	RWARD INBOARD EN	D -CORROSION INIT	TATED BETWEEN SKIN AN	ID DOUBLER INSTALLED A	ΓINBOARD	END OF SKIN
2730		CESSNA	CONT	MCAULY	CESSNA	TORQUE TUBE	CORRODED		6/22/97
		172H	O300C	1C172EM	053200173LH	07341023	ELEVATOR CONTROL		AU970699
	(AUS) LH AND RH STRINGERS ALSO		UBE COLLARS PNO	0734102-3 (INBOARD)) AND PNO 0734102-	4 (OUTBOARD) SEVERELY	CORRODED - RIVET HEADS	S LOST - RII	BS, SKIN AND

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2730		CESSNA				BOLT	LOOSE		6/12/97
		172R			MS21042L5	ANS11A	ELEVATOR CONTROL		AU970645
	'	EVATOR PULLEY LOCA NTENANCE ERROR	ATED AT BULKHEAD	AFT OF ELEVATOR I	BELLCRANK HAD N	UT PNO MS21042L5 AND E	BOLT PNO ANS-11A LOOSE B	UT STILL I	N SAFETY -
5312		CESSNA		MCAULY		BULKHEAD	CRACKED		6/10/97
		172P		1C160DTM	05121872RH	05121871	DOOR POST		AU970646
	(AUS) FUSELAGE	BULKHEAD LH AND R	H LOWER AFT DOOR	POSTS PNO 0512187-	-1 LH AND PNO 0512	187-2 RH CRACKED IN AR	EA INDICATED BY SERVICE	BULLETIN	Ī
2730		CESSNA	CONT	MCAULY	CESSNA	RIVETS	LOOSENING	4829	10/4/94
		207A	IO520*	D3A34C404		AN470	LH ELEVATOR		CA941024001
	(CAN) ELEVATOR	R TORQUE TUBE ATTAC	CH RIVETS SHOWING	SIGNS OF LOOSENIN	NG. SQUEAKY WHE	N PRESSURE & MOVEMEN	IT APPLIED.		
2434		CESSNA	CONT	MCAULY		ALTERNATOR	WORN		6/3/97
		210N	IO520L	D3A34C404		0012084	DC GEN ALT		AU970668
	(AUS) ALTERNAT	OR BRUSHES WORN - S	SUSPECT CAUSED BY	BRUSH BOUNCE					
2400		CESSNA	CONT	MCAULY		ELECTRICAL SYS	FAULTY		6/19/97
		310L	IO470U	D3AF32C80			LT FIREWALL		AU970682
		EXPERIENCED ELECTR ELD CABLE. PERSONNE			TVE SHIELD OVER L	LH AND RH FIELD FUSES C	ON THE LH FIREWALL HAD C	CHAFED TH	IROUGH THE LH
2432		CESSNA	CONT	MCAULY		DIODE	INOPERATIVE		6/19/97
		310L	IO470U	D3AF32C80			BATTERY MASTER		AU970692
	(AUS) BATTERY N	MASTER SYSTEM DIOD	E INOPERATIVE.						
2434		CESSNA	CONT	MCAULY		ALTERNATOR	INOPERATIVE		6/19/97
		310L	IO470U	D3AF32C80			DC GEN-ALT FIELD		AU970691
	(AUS) ALTERNAT	OR EMERGENCY FIELI	O SYSTEM INOPERAT	ΓIVE. SEE MDR 97/068	32FOR ADDITIONAL	INFORMATION.			
3213		CESSNA	CONT	MCAULY		WASHER	FAULTY		6/10/97
		310R	IO520M	3AF32C87		50450181	MLG SCISSOR		AU970650
		DING GEAR SCISSOR LI AUSED BY FAULTY WA			WER LINK ALLOWI	NG WHEEL TO ROTATE L	ATERALLY - DURING LAND	ING THE T	YRE AND TUBE BLEW
3221		CESSNA	CONT	MCAULY		PLATE	DAMAGED		3/11/97
		310L	IO470U	D3AF32C80			NLG		AU970679
	(AUS) NOSE LANI	DING GEAR FACE PLAT	E DAMAGED						
5220		CESSNA	CONT	MCAULY		EXIT DOOR	SEALED		3/11/97
		310L	IO470U	D3AF32C80			EMERGENCY EXIT		AU970687
	'	CY EXIT DOOR SEALED NTENANCE ERROR.	CLOSED. SEALANT	HAD TO BE CUT TO A	ALLOW THE EXIT TO	O BE REMOVED. AD/GEN/	37 LAST CARRIED OUT ON T	HE 15TH O	CTOBER 1996.
7120		CESSNA	CONT	MCAULY		MOUNT	BROKEN		3/11/97
		310L	IO470U	D3AF32C80			ENGINE MOUNT		AU970685
	(AUS) RH ENGINE	E REAR ENGINE MOUNT	RUBBER BROKEN						

CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS	CONT IO470U R BRACKET LOOSE AN CONT IO470U R BRACKET SEPARAT CONT IO470U CABLE OUTER SHEATE CONT GTSIO520C TTACHMENT FITTING CONT GTSIO520L	MCAULY D3AF32C80 ND INCORRECTLY RIG MCAULY D3AF32C80 TED AND INGESTED IN MCAULY D3AF32C80 H NUT NOT ATTACHEL MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TO ENGINE TO ENGINE TION CORROSION CONT	MOUNT FECT ON RH ENGINE LH READOOR BRACKET NUT FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407 PLATE GROUND WIRE BEIN	LOOSE ENGINE AIR INT SEPARATED ENGINE AIR INT LOOSE MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		6/19/97 AU970693 3/11/97 AU970686 6/19/97 AU970689 6/19/97 AU970690 6/30/97 AU970724
CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INSE	CONT IO470U R BRACKET LOOSE AN CONT IO470U R BRACKET SEPARAT CONT IO470U CABLE OUTER SHEATH CONT GTSIO520C CTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	MCAULY D3AF32C80 ND INCORRECTLY RIG MCAULY D3AF32C80 TED AND INGESTED IN MCAULY D3AF32C80 H NUT NOT ATTACHEE MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TO ENGINE TO ENGINE TION CORROSION CONT	DOOR BRACKET NUT FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	AR MOUNT FAILURE LOOSE ENGINE AIR INT SEPARATED ENGINE AIR INT LOOSE MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		3/11/97 AU970686 6/19/97 AU970689 6/19/97 AU970690 6/30/97 AU970724
CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS	CONT IO470U R BRACKET LOOSE AN CONT IO470U R BRACKET SEPARAT CONT IO470U CABLE OUTER SHEATH CONT GTSIO520C CTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	MCAULY D3AF32C80 ND INCORRECTLY RIG MCAULY D3AF32C80 TED AND INGESTED IN MCAULY D3AF32C80 H NUT NOT ATTACHEL MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TO ENGINE TO ENGINE TION CORROSION CONT	DOOR BRACKET NUT FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	LOOSE ENGINE AIR INT SEPARATED ENGINE AIR INT LOOSE MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		AU970686 6/19/97 AU970689 6/19/97 AU970690 6/30/97 AU970724
310L GINE ALTERNATE AIR DOO CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INSEMB	IO470U R BRACKET LOOSE AN CONT IO470U R BRACKET SEPARAT CONT IO470U CABLE OUTER SHEATH CONT GTSIO520C CTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	D3AF32C80 ND INCORRECTLY RIG MCAULY D3AF32C80 TED AND INGESTED IN MCAULY D3AF32C80 H NUT NOT ATTACHEL MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3F53C501 AT THE FAILURE WAS	TO ENGINE TION CORROSION CONT	BRACKET NUT FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	ENGINE AIR INT SEPARATED ENGINE AIR INT LOOSE MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		AU970686 6/19/97 AU970689 6/19/97 AU970690 6/30/97 AU970724
GINE ALTERNATE AIR DOO CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INSE	CONT IO470U R BRACKET SEPARAT CONT IO470U CABLE OUTER SHEATE CONT GTSIO520C CTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	MCAULY D3AF32C80 TED AND INGESTED IN MCAULY D3AF32C80 H NUT NOT ATTACHEE MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TO ENGINE TION CORROSION CONT	NUT FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	SEPARATED ENGINE AIR INT LOOSE MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		6/19/97 AU970689 6/19/97 AU970690 6/30/97 AU970724
CESSNA 310L GINE ALTERNATE AIR DOO CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS	CONT IO470U R BRACKET SEPARAT CONT IO470U ABLE OUTER SHEATH CONT GTSIO520C TTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	MCAULY D3AF32C80 TED AND INGESTED IN MCAULY D3AF32C80 H NUT NOT ATTACHEL MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TO ENGINE TION CORROSION CONT	NUT FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	ENGINE AIR INT LOOSE MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		AU970689 6/19/97 AU970690 6/30/97 AU970724
310L GINE ALTERNATE AIR DOO CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INSEMB	IO470U R BRACKET SEPARAT CONT IO470U CABLE OUTER SHEATH CONT GTSIO520C FTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	D3AF32C80 TED AND INGESTED IN MCAULY D3AF32C80 H NUT NOT ATTACHEE MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3F53C501 AT THE FAILURE WAS	TION CORROSION C	NUT FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	ENGINE AIR INT LOOSE MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		AU970689 6/19/97 AU970690 6/30/97 AU970724
GINE ALTERNATE AIR DOO CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INSEMB	R BRACKET SEPARAT CONT IO470U CABLE OUTER SHEATH CONT GTSIO520C TTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	MCAULY D3AF32C80 H NUT NOT ATTACHEE MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TION CORROSION C	FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	LOOSE MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		6/19/97 AU970690 6/30/97 AU970724
CESSNA 310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS	CONT IO470U CABLE OUTER SHEATH CONT GTSIO520C TTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	MCAULY D3AF32C80 H NUT NOT ATTACHEL MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TION CORROSION C	FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		AU970690 6/30/97 AU970724
310L GINE MIXTURE CONTROL C CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS	IO470U CABLE OUTER SHEATH CONT GTSIO520C FTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	D3AF32C80 H NUT NOT ATTACHEL MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TION CORROSION C	FITTING 08113507 ON LOWER SURFACE ALTERNATOR ALV9407	MIXTURE CONTROL CORRODED RT WING ATTACH FAILED DC GEN-ALT		AU970690 6/30/97 AU970724
CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS	CONT GTSIO520C TTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TION CORROSION C	08113507 ON LOWER SURFACE ALTERNATOR ALV9407	CORRODED RT WING ATTACH FAILED DC GEN-ALT		6/30/97 AU970724
CESSNA 411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS	CONT GTSIO520C FTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	MCAULY 3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	TION CORROSION C	08113507 ON LOWER SURFACE ALTERNATOR ALV9407	RT WING ATTACH FAILED DC GEN-ALT		AU970724 6/1/97
411 PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS EMB	GTSIO520C TTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	3AF34C74 CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	CONT	08113507 ON LOWER SURFACE ALTERNATOR ALV9407	RT WING ATTACH FAILED DC GEN-ALT		AU970724 6/1/97
PER RH FUSELAGE WING A' CESSNA 421C ALTERNATOR FAILED - INS EMB	TTACHMENT FITTING CONT GTSIO520L SPECTION FOUND THA	CONTAINED EXFOLIA MCAULY 3FF32C501 AT THE FAILURE WAS	CONT	ON LOWER SURFACE ALTERNATOR ALV9407	FAILED DC GEN-ALT		6/1/97
CESSNA 421C ALTERNATOR FAILED - INS EMB	CONT GTSIO520L SPECTION FOUND THA	MCAULY 3FF32C501 AT THE FAILURE WAS	CONT	ALTERNATOR ALV9407	DC GEN-ALT		
421C ALTERNATOR FAILED - INS EMB	GTSIO520L SPECTION FOUND THA	3FF32C501 AT THE FAILURE WAS		ALV9407	DC GEN-ALT		
ALTERNATOR FAILED - INS EMB	SPECTION FOUND THA	AT THE FAILURE WAS	DUE TO THE DIODE				AU970731
EMB			DUE TO THE DIODE	PLATE GROUND WIRE BEIN	NG LOOSE		
	PWA						
		HARTZL		SWITCH	INCORRECT WIRED		6/5/97
EMB110P1	PT6A34	HCB3TN3			LANDING GEAR POS		AU970657
					GATION FOUND THAT THE SWI' GCRACKING - PERSONNEL/MAI		
EMB	PWA	HARTZL		SWITCH	OUT OF ADJUST		6/3/97
EMB110P2	PT6A34	HCB3TN3			DOOR WARNING SYS		AU970649
AR ENTRY DOOR MICROSW	ITCH OUT OF ADJUST	MENT					
EMB	PWA	HARTZL		DOOR POST	DAMAGED		5/14/97
EMB110P2	PT6A34	HCB3TN3			FUSELAGE		AU970652
SELAGE DOOR PILLAR AND	DOOR MAIN CABLE A	ATTACHMENT BRACKI	ET CRACKED.				
EMB	PWA	HARTZL		INDICATOR SYSTEM	OUT OF ADJUST		6/26/97
EMB110P2	PT6A34	HCB3TN3			ENGINE		AU970719
GROB	LYC	HARTZL		GUIDE	DAMAGED		4/18/97
G115C	O360A1F6	HCF2YR1		115G260024	FLIGHT COMPART		AU970391
NOPY RH AFT GUIDE BLOC	K SPLIT						
	LYC	SNSNCH		SEAT BELT	UNAPPROVED PART		5/23/97
PIPER		M76EMMS			FLIGHT COMPART		AU970696
A	EMB EMB110P2 ND LH TORQUE SYSTEMS EL QUANTITY SYSTEMS, GROB G115C DPY RH AFT GUIDE BLOCK PIPER	EMB PWA EMB 110P2 PT6A34 ND LH TORQUE SYSTEMS, RH AND LH T5 INDIC IEL QUANTITY SYSTEMS, LH OIL PRESSURE INI GROB LYC G115C O360A1F6 DPY RH AFT GUIDE BLOCK SPLIT	EMB PWA HARTZL EMB 110P2 PT6A34 HCB3TN3 ND LH TORQUE SYSTEMS, RH AND LH T5 INDICATORS, RH T5 CIRCUI EL QUANTITY SYSTEMS, LH OIL PRESSURE INDICATION, LH GYRO CO GROB LYC HARTZL G115C O360A1F6 HCF2YR1 DPY RH AFT GUIDE BLOCK SPLIT PIPER LYC SNSNCH	EMB 110P2 PT6A34 HCB3TN3 ND LH TORQUE SYSTEMS, RH AND LH T5 INDICATORS, RH T5 CIRCUIT RESISTANCE, LH IEL QUANTITY SYSTEMS, LH OIL PRESSURE INDICATION, LH GYRO COMPASS, STANDBY GROB LYC HARTZL G115C O360A1F6 HCF2YR1 DPY RH AFT GUIDE BLOCK SPLIT PIPER LYC SNSNCH	EMB PWA HARTZL INDICATOR SYSTEM EMB110P2 PT6A34 HCB3TN3 ND LH TORQUE SYSTEMS, RH AND LH T5 INDICATORS, RH T5 CIRCUIT RESISTANCE, LH AND RH FUEL PRESSURE IN EL QUANTITY SYSTEMS, LH OIL PRESSURE INDICATION, LH GYRO COMPASS, STANDBY COMPASS AND RH GYRO COMPASS, STANDBY COMPASS AND RH GYRO COMPASS AND RH GYR	EMB PWA HARTZL INDICATOR SYSTEM OUT OF ADJUST EMB110P2 PT6A34 HCB3TN3 ENGINE ND LH TORQUE SYSTEMS, RH AND LH T5 INDICATORS, RH T5 CIRCUIT RESISTANCE, LH AND RH FUEL PRESSURE INDICATION SYSTEMS, RH LOWIFIEL QUANTITY SYSTEMS, LH OIL PRESSURE INDICATION, LH GYRO COMPASS, STANDBY COMPASS AND RH GYRO COMPASS SYSTEM ALL OUT OF GROB LYC HARTZL GUIDE DAMAGED G115C O360A1F6 HCF2YR1 115G260024 FLIGHT COMPART DPY RH AFT GUIDE BLOCK SPLIT PIPER LYC SNSNCH SEAT BELT UNAPPROVED PART PA28180 O360A4A M76EMMS FLIGHT COMPART	EMB PWA HARTZL INDICATOR SYSTEM OUT OF ADJUST EMB110P2 PT6A34 HCB3TN3 ENGINE ND LH TORQUE SYSTEMS, RH AND LH T5 INDICATORS, RH T5 CIRCUIT RESISTANCE, LH AND RH FUEL PRESSURE INDICATION SYSTEMS, RH LOWFUEL WELL QUANTITY SYSTEMS, LH OIL PRESSURE INDICATION, LH GYRO COMPASS, STANDBY COMPASS AND RH GYRO COMPASS SYSTEM ALL OUT OF ADJUST GROB LYC HARTZL GUIDE DAMAGED G115C O360A1F6 HCF2YR1 115G260024 FLIGHT COMPART DPY RH AFT GUIDE BLOCK SPLIT PIPER LYC SNSNCH SEAT BELT UNAPPROVED PART

INTERNATIONAL SER'	VICE DIFFICULTY	REPORT SUMMARY	- AIRCRAFT	(cont'd)

<u>INTERNA</u>	TIONAL SERVICE	E DIFFICULTY REI	PORT SUMMARY	- AIRCRAFT (co	ont'd)		<u>1/4/98 To 1/10/98</u> I	SSUE: 98-02 ZAC-327
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND TT PART LOC. TSC	211112112
3230		PIPER	LYC	HARTZL		STUD	FAULTY	6/20/97
		PA28R200	IO360C1C	HCC2YK1	9529902	9529900	LT RT MLG	AU970707
	(AUS) LH AND RH N	MAIN LANDING GEAR	SIDE BRACE STUDS S	USPECT FAULTY - F	FOUND DURING MAG	NETIC PARTICLE INSPECT	TION	
2140		PIPER	CONT	MCAULY	JANITROL	COMBUSTOR	CRACKED	5/26/97
		PA34220T	TSIO360KB	3AF32C508	90D281	39D18	HEATING SYSTEM	AU970648
	(AUS) CABIN HEAT	ER COMBUSTION CAN	SPLIT AROUND CIRC	CUMFERENCE FOR A	APPROXIMATELY 60M	IM (2.36IN) - HEATER WAS	BEING OVERHAULED TO COMPLY	WITH REQUIREMENTS

 $\underline{(\mathsf{End}\ of\ INTERNATIONAL\ \mathsf{SERVICE}\ \mathsf{DIFFICULTY}\ \mathsf{REPORT}\ \mathsf{SUMMARY}\ \mathsf{-}\ \mathsf{AIRCRAFT})}$

OF AD/AIRCON/9 AMDT5 PARA3

INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - HELICOPTERS

<u>1/4/98 - 1/10/98</u> ISSUE: 98-02 ZAC-327

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6330		AEROSP	ALLSN			MOUNT	CRACKED		4/1/97
		AS355F1	250C20F			350A38101832	M/R TRANS		AU970664
	(AUS) MAIN TRAN	ISMISSION BI-DIRECTION	ONAL MOUNT CRAC	KED - FOUND DURIN	G INSPECTION IAW	AD/AS355/47			
7230		BELL	ALLSN		ALLSN	COMPRESSOR	FOD		6/22/97
		206B	250C20			6853337	ENGINE COMP	3045	AU970743
	(AUS) COMPRESSO	OR DAMAGED BY FOD							
7210		BELL	PWA			COMBINING GRBOX	FAULTY		5/26/97
		412	PT6T3B			3BE	ENGINE		AU970662
	(AUS) ENGINE CO	MBINING GEARBOX FA	AULTY - SUSPECT FA	ULTY CARBON SEAL	L ALLOWED OIL TO	TRANSFER INTO GEARBOX	CAUSING OVERFILLING A	ND LOSS (OF OIL OVERBOARD
6230		ROBSIN	LYC			SWASHPLATE	DEFECTIVE		5/15/97
		R22BETA	O320B2C			A0172	MAIN ROTOR MAST		AU970716
	(AUS) SWASHPLA	TE ASSEMBLY OUT OF	HOURS - ASSEMBLY	' HAD NO RELEASE N	UMBER FOR OVER	HAUL AT 2000 HOURS			
6310		ROBSIN	LYC			DRIVE BELT	FAILED		6/12/97
		R22	O320B2C			A1902	ENG TRANS		AU970684
	(AUS) ENGINE TO	TRANSMISSION DRIVE	E FORWARD `V' BELT	SPLIT AND ROLLED	OFF PULLEY.				
6322		ROBSIN	LYC			BEARING	OUT OF HOURS		5/15/97
		R22BETA	O320B2C			A1814	COOLING FAN		AU970713
	` '	ASSEMBLY LOWER BE OBINSON HELICOPTER		RS - BEARING HAD N	IOTBEEN REPLACEI	O AT THE 2000 HOURLY INS	SPECTION - FANSHAFT ASS	EMBLY HA	D NO RELEASE
6720		ROBSIN	LYC			PITCH CONTROL	FAULTY		5/15/97
		R22BETA	O320B2C			A0311	TAIL ROTOR CONT		AU970709
	` '	R PITCH CHANGE ASSE ULED BY ROBINSON H				OURLY SERVICING WITH N OVED PART	O WORK RELEASE ORDER	OR RELEAS	SE NUMBER SHOWING
7260		SKRSKY	ALLSN		ALLSN	NUT	SEPARATED		5/21/97
		S76A	250C30			MS210433	ENG 2.5 BEARING		AU970663
		E GEARBOX 2.5 BEARIN AL TYPE - SUSPECT UN		ΓΙΟΝ NUTS (2OFF6) Μ	MISSING - NUTS WEF	RE EVENTUALLY FOUND IN	N THE OIL PUMP SCAVENG	E LINE - NU	JTS WERE NOTED TO
7712		SKRSKY	TMECA		TMECA	TRANSMITTER	FAULTY		6/11/97
		S76C	ARRIEL1S			9550165380	NR 1 ENG TORQ		AU970701
	(AUS) NO1 ENGIN	E TORQUE TRANSMITT	TER FAULTY						
End of IN	TERNATIONAL SEF	RVICE DIFFICULTY I	REPORT SUMMAR	Y - HELICOPTERS)					

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7322		BEECH	PWA	HARTZL	BENDIX	BEARING	FAILED		6/3/97
		200BEECH	PT6A41	HCB3TN3	FCU	2525464	FUEL CONTROL	3374	AU970694
	(AUS) RH ENGINE	FUEL CONTROL UNIT	(FCU) FAULTY - BEA	RING FAILED - FCU T	TO FUEL PUMP DRIV	E COUPLING SHEARED			
8520		BEECH	CONT	MCAULY	CONT	CRANKCASE	CRACKED		5/7/97
		58	IO550*	3AF32C512		676405	RECIP ENG		AU970532
	(AUS) ENGINE CRA FROM CORROSION		ACKED IN AREA OF	NO2 BEARING SADD	LE -NO6 CONNECTI	NG ROD CAP CONTAINED I	MULTIPLE CRACKING - SU	SPECT CRA	CKING ORIGINATED
7414		BEECH	LYC		BENDIX	GEAR	FAILED		6/13/97
		76	LO360A1G6		D4RN2021	10682014	ENG MAG DIST		AU970656
	(AUS) MAGNETO I	DISTRIBUTOR GEAR TI	EETH MISSING						
7230		BELL	ALLSN		ALLSN	COMPRESSOR	FOD		6/22/97
		206B	250C20			6853337	ENGINE COMP	3045	AU970743
	(AUS) COMPRESSO	OR DAMAGED BY FOD							
7210		BELL	PWA			COMBINING GRBOX	FAULTY		5/26/97
		412	PT6T3B			3BE	ENGINE		AU970662
	(AUS) ENGINE CO	MBINING GEARBOX FA	AULTY - SUSPECT FA	AULTY CARBON SEAI	L ALLOWED OIL TO	TRANSFER INTO GEARBOX	X CAUSING OVERFILLING	AND LOSS (OF OIL OVERBOARD
7414		CESSNA	LYC	MCAULY	SLICK	COIL	OPEN CIRCUIT		6/11/97
		152	O235L2C	1A103TCM	4381	M3975	ENGINE		AU970644
	(AUS) MAGNETO (COIL OPEN CIRCUITED)						
7322		CESSNA	LYC	MCAULY	FACET	SCREW	MISSING		5/27/97
		172N	O320H2AD	1C160DTM		CK34843	CARB MIX ADJ		AU970661
	(AUS) CARBURET	ΓOR MIXTURE ADJUST	MENT SCREW MISS	ING - SUSPECT BROK	EN FRICTION SPRIN	NG ALLOWED SCREW TO U	NWIND		
8530		CESSNA	CONT	MCAULY	CONT	CYLINDER	CRACKED		5/10/97
		210M	IO520L	D3A34C404	639272	639272	SPARK PLUG HOLE	601	AU970705
	(AUS) ENGINE CY	LINDER CRACKED BET	TWEEN TOP SPARK I	PLUG HOLE AND INJE	ECTOR NOZZLE				
8530		CESSNA	CONT	MCAULY	CONT	CYLINDER	CRACKED		5/10/97
		210M	IO520L	D3A34C404	639272	639272	SPARK PLUG HOLE	53	AU970704
	(AUS) ENGINE CYI	LINDER CRACKED BET	TWEEN TOP SPARK I	PLUG HOLE AND INJE	ECTOR NOZZLE - SU	SPECT CYLINDER HAD BEI	EN WELD REPAIRED		
8530		CESSNA	CONT	MCAULY	CONT	CYLINDER	WORN		3/26/97
		210M	IO520L	D3A34C404	639272	639272	NR 6 CYL INJ	548	AU970703
	(AUS) NO6 CYLINI	DER FUEL INJECTOR N	OZZLE HOLE WORN	TUO					
8520		CESSNA	CONT	MCAULY		CRANKCASE	CRACKED		6/12/97
		310R	IO520M	3AF32C87			ENG NR 2 CYL	683	AU970673
	(AUS) LH CRANKO	CASE HALF CRACKED	AT TOP REAR BELOV		CENTER BETWEEN	SPINE AND NO2 CYLINDE	R - CRACK LENGTH 76.2M	M(3IN) RUN	NING FORE AND AFT
8530		CESSNA	CONT	MCAULY		CYLINDER	DAMAGED		6/19/97
		310L	IO470U	D3AF32C80		- · · · · · · · · · · · · · · · · · · ·	ENG NR 2 & NR 6		AU970688
	(ALIS) NO2 AND NO				FRNATE AIR DOOP	BRACKET. PERSONNEL/MA			

INTERNATIONAL	SERVICE DIFFICUI	TY REPORT SUMMARY	FNGINES (cont'd)

1/4/98 To 1/10/98	15511E · 98_02	ZAC-327

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
8520		CESSNA	CONT	MCAULY	CONT	CRANKCASE	CRACKED		6/22/97
		402A	TSIO520E	3AF32C87		642001	NR 3 & NR 5 CYL	610	AU970732
	(AUS) CRANKCAS	E CRACKED IN AREA (OF NO3 AND NO5 CYI	LINDER PADS - CRAC	CKS RADIATED FRO	M CYLINDER BASE STUD	HOLES		
7320		CESSNA	GARRTT	HARTZL		COMPENSATOR	LOOSE		4/29/97
		441	TPE3318	HCB3TN5		8974768	ENG EGT		AU970445
	(AUS) LH ENGINE	EGT COMPENSATOR C	CONNECTOR PLUG LO	OOSE AND CORRODI	ED				
7321		CESSNA	GARRTT	HARTZL		COMPUTER	FAILED		6/21/97
		441	TPE3318	HCB3TN5		210132214	ENG FUEL CONT	1746	AU970710
	(AUS) ENGINE FU	EL COMPUTER ELECTR	ONIC FAILURE						
7322		CESSNA	GARRTT	HARTZL		FCU	MALFUNCTIONED		4/18/97
		441	TPE3318	HCB3TN5		89711014	FUEL CONT	3447	AU970379
	,	EL CONTROL UNIT SUS JOR DAMAGE FOUND	PECT FAULTY - ENG	INE SURGED AND E	GT REACHED APPRO	OXIMATELY 520 DEGREES	C (OVERTEMP) - AN HOT E	ND INSPEC	ΓΙΟΝ WAS CARRIED
8530		PIPER	LYC	SNSNCH	SUPAIRPART	PISTON PIN	FAILED		6/10/97
		PA28161	O320D3G	74DM		SL134441	ENG NR 3 CYL		AU970665
							NO4 CYLINDER EXHAUST 2 AND NO3 CYLINDER TAP		USING IT TO FAIL
8520		PIPER	LYC	HARTZL	LYC	BEARING	FAULTY		3/19/97
		PA31350	LTIO540J2BD	HCE3YR2		SL11575	NR 3 JOURNAL		AU970733
	(AUS) NO3 BEARI	NG FAULTY - BEARING	DOWEL ON NO3 JOU	JRNAL HAD MOVED	- SUSPECT INCORR	ECT FITMENT			
8520		PIPER	LYC	HARTZL	LYC	CAMSHAFT	SPALLED		6/3/97
		PA44180	LO360E1A6	HCC2YR2		LW16514	ENGINE		AU970734
	(AUS) CAMSHAFT	LOBES SPALLED AND	VALVE LIFTER FACE	ES DAMAGED - META	AL CONTAMINATIO	N OF OIL SYSTEM - LW167	02ADDITIVE USED AT EACI	H OILCHAN	GE
8520		PIPER	LYC	HARTZL	LYC	CAMSHAFT	SPALLED		6/3/97
		PA44180	LO360E1A6	HCC2YR2		LW16514	ENGINE LIFTER		AU970735
	(AUS) ENGINE CA	MSHAFT LOBES SPALL	ED AND VALVE LIFT	TER FACES DAMAGE	D -METAL CONTAM	MINATION OF OIL SYSTEM	- LW16702 ADDITIVE USED	AT EACH O	IL CHANGE
7260		SKRSKY	ALLSN		ALLSN	NUT	SEPARATED		5/21/97
		S76A	250C30			MS210433	ENG 2.5 BEARING		AU970663
		E GEARBOX 2.5 BEARII AL TYPE - SUSPECT UN		ΓΙΟΝ NUTS (2OFF6) Ν	MISSING - NUTS WEI	RE EVENTUALLY FOUND	IN THE OIL PUMP SCAVENC	E LINE - NU	TTS WERE NOTED TO
and of INT	TERNATIONAL SEI	RVICE DIFFICULTY I	REPORT SUMMAR	Y - FNGINES)					

INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS

1/4/98 - 1/10/98 ISSUE: 98-02 ZAC-327

ATA REG. NO OPER SERIAL NO

ACFT MAKE ACFT MODEL ENG MAKE ENG MDL

PROP MAKE PROP MDL

COMP MFG COMP MDL PART NAME PART NUMBER PART COND PART LOC. TT DIFF. DATE
TSO OPER CONT NO

(There was no data for this report.)

(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS)

<u>INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS</u>

<u>1/4/98 - 1/10/98 ISSUE: 98-02 ZAC-327</u>

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6111		MTSBSI		HARTZL	HARTZL	BLADE	SEPARATED		6/20/97
		MU2B30		HCB3TN5		BV561	RT PROPELLER		AU970727
	(AUS) RH PROPELI	LER NO3 BLADE SEPAI	RATED AT BLADE RO	OT. EXTENSIVE DAM	MAGE CAUSED TO RI	EDUCTION GEARBOX, EN	GINE, ENGINE MOUNTS, COW	LING AN	ID NACELLE.
6114		PIPER	LYC	HARTZL		HUB BACK PLATE	CRACKED	7	2/27/97
		PA31	TIO540A2B	HCE3YR2	CA4393308	1654	PROP		CA970318004
****	SINCE THEY REPL	ACED THE HUB AND A	RE UNABLE TO FINE	ANY FAULT. TOTA	L TIME ON NEW STY		ECTED THE PROP HUB ON TW IME OF FOLLOWING FAILUR IRS.		

(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS)



SERVICE DIFFICULTY REPORT SUMMARY GENERAL AVIATION - INDEX



The following information provides a tally of the Service Difficulty Reports (SDR's) contained in this weeks issue of the General Aviation SDR Summary. The totals represent only a summation of the SDR's that were submitted to the FAA, Aviation Data Systems Branch, AFS-620, and processed in time for inclusion in the Summary. The first table is a tally of the number of SDR's submitted through the indicated Flight Standards District Office (FSDO). The second table sorts the SDR's by the aircraft or equipment make and model. The heading at the top of each table provides a two digit Joint Aircraft System/Component (JASC) code grouping (e.g., JASC codes 1100 thru 1800 are represented by the heading labeled 11-18) which categorizes in general, the problem areas for each reported discrepancy.

The Flight Standards Service Difficulty Program objective is to achieve prompt and appropriate correction of conditions adversely affecting continued airworthiness of aeronautical products. This is accomplished by the collection of Service Difficulty and Malfunction or Defect Reports. SDR's are consolidation and collation into common data base where they are analyzed for trends, problems, and alert information. This information is then disseminated to the appropriate segments of the aviation community and to other FAA offices.

The number of SDR's submitted is not an indicator of the mechanical reliability or fitness of an air carrier's aircraft fleet and should not be used as such. The air carriers certificate holding office has the primary responsibility for planning, programming evaluations, and assessing the performance of operators. Questions regarding an air carrier's fleet performance should be directed to the appropriate Flight Standards District Office, Certificate Management Office, or Certificate Management Unit.

GENERAL AVIATION SUMMARY INDEX BY DISTRICT OFFICE

DISTRICT OFFICE	11-18	21-29	SDR TOTA 30-38	LS BY FAA A 45-49	TA SYSTEM (51-57	CHAPTER 61-67	71-79	80-85	TOTAL
AL 05	0	0	0	0	0	0	2	0	2
AU S	0	10	8	0	9	7	17	11	62
CA	0	1	0	0	0	1	0	0	2
CE 01	0	0	0	0	0	0	0	1	1
CE 03	0	0	0	0	4	0	0	0	4
CE 05	0	0	0	0	0	0	1	0	1
CE 07	0	0	0	0	0	0	0	1	1
CE 09	0	0	0	0	0	0	1	0	1
EA 03	0	0	0	0	0	1	0	0	1
EA 05	0	0	0	0	0	0	1	0	1
EA 17	0	0	0	0	0	1	0	0	1
EA 21	0	0	0	0	4	1	0	0	5
EA 23	0	1	0	0	0	0	1	0	2
EA 35	0	0	0	0	4	0	0	0	4
GL 03	0	0	0	0	0	13	0	1	14
GL 07	0	0	1	0	0	0	0	0	1
GL 09	0	0	1	0	0	0	1	2	4
GL 15	0	1	0	0	0	0	0	0	1
GL 19	0	1	2	0	0	0	0	0	3
GL 25	0	0	2	0	1	3	0	0	6
NE 01	0	0	1	0	0	0	0	0	1
NE 03	0	0	0	0	0	0	1	1	2
NM 05	0	0	0	0	0	0	1	1	2
NM 09	0	0	1	0	0	0	2	0	3
NM 11	0	2	0	0	0	2	2	0	6
SO 03	0	1	0	0	1	0	0	0	2

GENERAL AVI	ATION SUMMARY	INDEX by D	DISTRICT O	FFICE (cont'd)

1/4/98 To 1/10/98 ISSUE: 98-02 ZAC-327

DISTRICT												
OFFICE	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL			
SO 05	0	1	1	0	0	0	0	0	2			
SO 06	0	0	0	0	0	0	1	1	2			
SO 11	0	0	0	0	0	0	1	0	1			
SO 13	0	1	0	0	0	0	0	0	1			
SO 14	0	0	0	0	0	0	2	0	2			
SO 15	0	0	0	0	2	0	0	0	2			
SO 17	0	0	2	0	0	0	0	0	2			
SO 19	0	0	0	0	0	1	0	0	1			
SW 03	0	14	19	0	3	16	17	0	69			
SW 05	0	0	0	0	0	0	0	1	1			
SW 09	0	2	1	0	0	0	0	0	3			
SW 15	0	0	0	0	0	0	1	0	1			
SW 99	0	2	0	0	7	0	2	0	11			
WP 01	0	0	3	0	0	0	0	0	3			
WP 07	0	1	0	0	0	6	0	0	7			
WP 09	0	0	0	0	0	0	0	1	1			
WP 11	0	0	1	0	0	0	0	0	1			
WP 23	0	2	0	0	0	0	0	0	2			
TOTALS	0	40	43	0	35	52	54	21	245			

(End of GENERAL AVIATION SUMMARY INDEX by DISTRICT OFFICE Report)

BELL

BELL

BELL

206B3

206L1

206L1

<u>GENERAL</u>	AVIATION SUMMA	1/4/98 To 1/1	98-02 ZAC-3							
AIRCRAFT MAKE	AIRCRAFT MODEL	11-18	21-29	SDR TOTA 30-38	LS BY FAA A 45-49	TA SYSTEM 51-57	CHAPTER 61-67	71-79	80-85	TOTAL
AEROSP	AS355F1	0	0	0	0	0	1	0	0	1
AMTR	EAGLEXL2	0	1	0	0	0	0	0	0	1
AMTR	EXPRESSFT	0	0	1	0	0	0	0	0	1
AMTR	GLASAIRIII	0	1	0	0	0	0	0	0	1
AMTR	LONG EZ	0	0	0	0	0	0	1	0	1
AMTR	NORTHMAN2+2	0	0	0	0	0	0	1	0	1
AMTRNC	320LANCAIR	0	0	1	0	0	0	0	0	1
AYRES	S2RT34NORMAL	0	0	0	0	2	0	0	0	2
ВЕЕСН	200BEECH	0	1	3	0	0	0	1	0	5
ВЕЕСН	58	0	0	0	0	0	0	0	2	2
BEECH	76	0	1	0	0	6	1	1	0	9
ВЕЕСН	95A55	0	0	0	0	0	0	1	0	1
BEECH	95B55	0	0	0	0	2	0	0	0	2
BEECH	95C55	0	0	0	0	0	0	0	1	1
ВЕЕСН	A36	0	1	0	0	0	0	0	1	2
ВЕЕСН	B100	0	0	0	0	0	1	0	0	1
ВЕЕСН	B200	0	0	1	0	0	0	0	0	1
ВЕЕСН	B200C	0	0	1	0	0	0	0	0	1
ВЕЕСН	B60	0	0	0	0	1	0	0	0	1
ВЕЕСН	C90	0	0	1	0	0	0	0	0	1
ВЕЕСН	D18S	0	0	0	0	0	2	0	0	2
BEECH	H18	0	0	0	0	2	0	0	0	2
BEECH	TC45G	0	0	0	0	2	0	0	0	2
BELL	206B	0	0	0	0	0	0	1	0	1
					·					

AIRCRAFT	AIRCRAFT	44.40	24.20			TA SYSTEM		- 4 - 0	00.0	mom. v
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
BELL	206L3	0	0	1	0	0	0	6	0	7
BELL	206L4	0	1	0	0	0	2	0	0	3
BELL	212	0	1	0	0	0	0	0	0	1
BELL	214ST	0	3	4	0	0	1	0	0	8
BELL	230	0	0	2	0	0	2	0	0	4
BELL	407	0	1	1	0	1	3	0	0	6
BELL	407	0	0	0	0	0	1	0	0	1
BELL	412	0	4	2	0	0	1	1	0	8
BELL	412	0	0	0	0	0	0	1	0	1
BELL	47G3B	0	0	0	0	0	0	1	0	1
BOLKMS	BK117A3	0	1	0	0	0	0	1	0	2
BOLKMS	BK117A4	0	0	0	0	0	0	1	0	1
BOLKMS	BK117B1	0	0	0	0	0	3	1	0	4
BOLKMS	BO105S	0	0	1	0	0	2	3	0	6
CESSNA	152	0	0	0	0	0	0	2	0	2
CESSNA	172H	0	1	0	0	0	0	0	0	1
CESSNA	172M	0	0	0	0	0	0	1	0	1
CESSNA	172N	0	0	0	0	1	0	1	0	2
CESSNA	172P	0	0	0	0	1	0	0	0	1
CESSNA	172R	0	1	0	0	0	0	0	0	1
CESSNA	172RG	0	0	0	0	0	1	0	0	1
CESSNA	182K	0	0	0	0	0	0	1	0	1
CESSNA	207A	0	1	0	0	0	0	0	0	1
CESSNA	208B	0	1	0	0	0	0	0	0	1
CESSNA	210B	0	0	0	0	0	0	1	0	1
CESSNA	210L	0	0	0	0	0	0	1	0	1
CESSNA	210M	0	0	0	0	0	0	1	3	4

AIRCRAFT	AIRCRAFT					TA SYSTEM				
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
CESSNA	210N	0	1	0	0	0	0	0	0	1
CESSNA	310L	0	3	1	0	1	4	5	1	15
CESSNA	310R	0	0	1	0	0	0	0	1	2
CESSNA	337A	0	2	1	0	0	0	0	0	3
CESSNA	401A	0	0	0	0	0	0	0	2	2
CESSNA	402A	0	0	0	0	0	0	0	1	1
CESSNA	402C	0	0	1	0	0	0	0	0	1
CESSNA	411	0	0	0	0	1	0	0	0	1
CESSNA	421B	0	0	0	0	0	0	0	1	1
CESSNA	421B	0	0	0	0	0	0	0	1	1
CESSNA	421C	0	1	0	0	0	0	0	0	1
CESSNA	441	0	0	0	0	2	2	3	0	7
CESSNA	525	0	0	1	0	0	0	0	0	1
CESSNA	550	0	0	0	0	1	0	0	0	1
CESSNA	A185F	0	1	0	0	0	0	0	0	1
CESSNA	S550	0	0	0	0	1	0	0	0	1
EMB	EMB110*	0	0	0	0	0	3	0	0	3
EMB	EMB110P1	0	0	1	0	0	0	0	0	1
EMB	EMB110P2	0	0	0	0	2	0	1	0	3
GROB	G115C	0	0	0	0	1	0	0	0	1
GULSTM	690B	0	0	0	0	0	2	0	0	2
HOACAU	HK36R	0	0	1	0	0	0	0	0	1
HUGHES	500N	0	0	0	0	0	6	0	0	6
LKHEED	T33A	0	0	0	0	0	0	0	1	1
LUSCOM	8A	0	0	0	0	0	0	1	0	1
MOONEY	M20	0	0	0	0	0	2	0	0	2
MOONEY	M20C	0	1	0	0	0	0	0	0	1

AIRCRAFT	AIRCRAFT					TA SYSTEM				
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
MOONEY	M20E	0	0	0	0	0	0	1	0	1
MOONEY	M20M	0	1	0	0	0	0	0	0	1
MTSBSI	MU2B30	0	0	0	0	0	1	0	0	1
MTSBSI	MU2B40	0	0	0	0	0	1	0	0	1
MTSBSI	MU2B60	0	0	0	0	0	0	1	0	1
PIPER	PA24400	0	0	0	0	0	0	1	0	1
PIPER	PA28140	0	0	1	0	0	0	1	0	2
PIPER	PA28161	0	0	0	0	0	0	0	1	1
PIPER	PA28180	0	1	0	0	0	0	0	0	1
PIPER	PA28181	0	2	0	0	0	0	0	0	2
PIPER	PA28R200	0	0	1	0	0	0	0	0	1
PIPER	PA28R201	0	0	1	0	0	0	0	0	1
PIPER	PA28RT201	0	0	0	0	1	0	0	1	2
PIPER	PA28RT201T	0	0	1	0	0	0	0	0	1
PIPER	PA31	0	0	0	0	0	1	0	0	1
PIPER	PA31350	0	0	1	0	0	0	0	0	1
PIPER	PA31350	0	1	1	0	0	0	0	1	3
PIPER	PA31T	0	1	1	0	0	0	0	0	2
PIPER	PA32300	0	0	0	0	0	0	2	0	2
PIPER	PA32301	0	0	1	0	0	0	0	0	1
PIPER	PA34200T	0	0	0	0	0	0	0	1	1
PIPER	PA34220T	0	1	0	0	0	0	0	0	1
PIPER	PA42	0	0	0	0	1	0	0	0	1
PIPER	PA44180	0	0	0	0	0	0	0	2	2
ROBSIN	R22	0	0	0	0	0	1	0	0	1
ROBSIN	R22BETA	0	0	0	0	0	3	0	0	3
SKRSKY	S64F	0	0	0	0	0	0	1	0	1

GENERAL AV	TATION SUMMARY	<u>1/4/98 To 1/10/98 ISSUE: 98-02 ZAC-327</u>								
AIRCRAFT MAKE	AIRCRAFT MODEL	11-18	21-29	SDR TOTA 30-38	LS BY FAA A 45-49	TA SYSTEM 51-57	71-79	80-85	TOTAL	
SKRSKY	S76A	0	1	2	0	0	0	2	0	5
SKRSKY	S76A	0	0	1	0	0	0	1	0	2
SKRSKY	S76C	0	0	0	0	0	0	1	0	1
SNIAS	AS350B2	0	0	3	0	1	3	1	0	8
SOCATA	TBM700	0	0	0	0	4	0	0	0	4
	TOTALS	0	40	43	0	35	52	54	21	245

(End of AIR CARRIER SUMMARY INDEX by OPERATOR Report)

JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

PREFACE

The Joint Aircraft System/Component (JASC) Code Table is a modified version of the Air Transport Association of America (ATA), Specification 100 code. It was developed by the Federal Aviation Administration's (FAA), Aviation Data Systems Branch (AFS-620). Technical support was provided by the Galaxy Scientific Corporation, and various representatives of the air carrier and general aviation community.

Over the past four years, the JASC format of the ATA Spec 100 code has gained widespread industry acceptance. In a harmonized effort, the FAA's counterparts in Australia and Canada have adopted the JASC code with only a few exceptions. Some Canadian aircraft manufacturers have also recently adopted this new stardard.

This code table is constructed by using the new JASC four (4) digit code, along with an abbreviated code title. The abbreviated titles have been modified in some cases to clarify the intended use of the accompanying code. This table can be used as a quick reference chart, to assist in the coding and review of aircraft structures or systems data (i.e., Service Difficulty Report (SDR), Accident/Incident Report).

The current coding scheme used in the JASC code was introduced in May 1991, for the technical classification of SDR's. Its predecessor, the FAA aircraft system/component code, was a similar but more complex eight-digit code which was developed over 25 years ago. It was constructed around the computer technology of that period. It consisted of a four digit numerical code plus a four alpha character code to make data retrieval possible. Since that time, computer technology has advanced many fold. Reducing the code from eight to four characters simplifies coding, and in some cases, makes JASC coding match the ATA Specification 100 first three digits, which are used to identify aircraft systems. The ATA code does not reference the fourth digit, so it is free to be used for identifying components.

The JASC code aircraft structural section has increased due to problems inherent with aging aircraft. As an example, FAA code 5301 SXBD was expanded to 20 items due to the high rate of reporting in this area (8021 structural reports were received in 1989). In some instances, there was very little reporting and codes were combined into other systems if the safety impact was not significant. The overall reduction in codes has been from 568 FAA codes to 488 JASC codes, with the significant increase being in the structural area as stated earlier.

The JASC code divides the engine section into two major code groups to separate the turbine and reciprocating engines. The codes for the turbine engines are in JASC Chapter 72, Turbine/Turboprop Engine. The codes for the reciprocating engines are now exclusively found in JASC Chapter 85, Reciprocating Engine.

The other major deviation from ATA Spec 100 is in ATA section 2730, specifically involves the stall warning system. Early technology (primarily on smaller aircraft) directly linked the sensing of flight attitude to one of the components which furnished the means of manually controlling the flight attitude characteristics (elevator). Today, most large transport category aircraft utilize electronic units to sense the change in the environmental condition called stall, and use the data to influence navigation. ATA section 3410, Flight Environment Data, includes high speed warning in its code definition. Stall warning (low speed) is the reciprocal term of high speed warning, so its filing under the same code appears more logical. Thus, with the JASC code it was decided to move the stall warning system to Chapter 34 under the separate code JASC code 3418, Stall Warning System.

The FAA is continuing to pursue worldwide involvement from operators and manufacturers in addressing the need for international standardization of aircraft system/component codes. The ultimate goal is to develop a universal aircraft/component numbering standard which can be used in the manufacturer's maintenance manual, wiring diagram manual, system manuals and illustrated parts catalog. This harmonized standard must be a usable standard for the aircraft manufacturers, air carrier operators and the general aviation community.

We welcome comments and feedback regarding the possible forming of working groups to achieve this long range consideration of possibly harmonizing the ATA Specification 100 code and the JASC code. Comments may be directed to the FAA, Aviation Data Sytem Branch, AFS-620, P.O. Box 25082, Oklahoma City, OK 73125.

JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

JASC/ TITLE

2170 HUMIDITY CONTROL SYSTEM

11 PLACARDS AND	MARKINGS 22	AUTO FLIGHT	24 E	LECTRICAL POWER CONT'D
1100 PLACARDS AND N	MARKINGS 2200	AUTO FLIGHT SYSTEM	2424	AC REGULATOR
	2210		2425	AC INDICATING SYSTEM
12 SERVICING	2211	AUTOPILOT COMPUTER	2430	DC GENERATING SYSTEM
12 021(11011(0	2212	ALTITUDE CONTROLLER	2431	BATTERY OVERHEAT WARN. SYSTEM
1010 51151 0551/101110	2213	FLIGHT CONTROLLER	2432	BATTERY/CHARGER SYSTEM
1210 FUEL SERVICING	2214	AUTOPILOT TRIM INDICATOR	2433	DC RECTIFIER-CONVERTER
1220 OIL SERVICING	2215	AUTOPILOT MAIN SERVO	2434	DC GENERATOR-ALTERNATOR
1230 HYDRAULIC FLUID	2216	AUTOPILOT TRIM SERVO	2435	STARTER-GENERATOR
1240 COOLANT SERVIC	ING 2220	SPEED-ATTITUDE CORRECT. SYSTEM	2436	DC REGULATOR
40 HELICOPTED VIDE	2230	AUTO THROTTLE SYSTEM	2437	DC INDICATING SYSTEM
18 HELICOPTER VIBE	2250	A ERODYNAMIC LOAD ALLEVIATING	2440	EXTERNAL POWER SYSTEM
1800 HELICOPTER VIB/I	NOISE ANALYSIS		2450	AC POWER DISTRIBUTION SYSTEM
1810 HELICOPTER VIBR	ATION ANALYSIS 23	COMMUNICATIONS	2460	DC POWER/DISTRIBUTION SYSTEM
1820 HELICOPTER NOIS	E ANALYSIS			
24 AIR CONDITIONIA	2300		<u> 25 E</u>	QUIPM ENT/FURNISHINGS
21 AIR CONDITIONIN			0500	CARIN FOURMENT/FURNIOUMO
2100 AIR CONDITIONIN	G SYSTEM 2311	UHF COMMUNICATION SYSTEM	2500	CABIN EQUIPMENT/FURNISHINGS
2110 CABIN COMPRESS	2312	VHF COMMUNICATION SYSTEM	2510	FLIGHT COMPARTMENT EQUIPMENT
2120 AIR DISTRIBUTION	2220	DATA TRANSMISSION AUTO CALL	2520	PASSENGER COMPARTMENT EQUIPMENT
2121 AIR DISTRIBUTION	2330	ENTERTAINMENT SYSTEM	2530	BUFFET/GALLEYS
	CONTROL SYSTEM 2340	INTERPHONE & PA SYSTEM	2540	LAVATORIES
2131 CABIN PRESSURE	2250	AUDIO INTEGRATING SYSTEM	2550	CARGO COMPARTMENTS
2132 CABIN PRESSURE	2260	STATIC DISCHARGE SYSTEM	2551	AGRICULTURAL SPRAY SYSTEM
	/OUTFLOW VALVE 2370	AUDIO/VIDEO MONITORING	2560	EMERGENCY EQUIPMENT
2134 CABIN PRESSURE		ELECTRICAL POWER	2561	LIFE JACKET
2140 HEATING SYSTEM	- · · ·	<u> LEEGTRIOAL I GW ER</u>	2562	EMERGENCY LOCATOR BEACON
2150 CABIN COOLING S		ELECTRICAL POWER SYSTEM	2563	PARACHUTE
	URE CONTROL SYSTEM 2410	ALTERNATOR-GENERATOR DRIVE	2564	LIFE RAFT
	URE CONTROLLER 2420		2565	ESCAPE SLIDE
2162 CABIN TEMPERAT			2570	ACCESSORY COMPARTMENT
2163 CABIN TEMPERAT	****		2571	BATTERY BOX STRUCTURE
	0112 02110011		2572	ELECTRONIC SHELF SECTION

2423 PHASE ADAPTER

26 FIRE PROTECTION	<u>29 I</u>	HYDRAULIC POWER	<u>32 L</u>	ANDING GEAR
2600 FIRE PROTECTION SYSTEM	2900	HYDRAULIC POWER SYSTEM	3200	LANDING GEAR SYSTEM
2610 DETECTION SYSTEM	2910	HYDRAULIC, MAIN SYSTEM	3201	LANDING GEAR/WHEEL FAIRING
2611 SMOKE DETECTION	2911	HYDRAULIC POWER-ACCUMULATOR-MAIN	3210	MAIN LANDING GEAR
2612 FIRE DETECTION	2912	HYDRAULIC FILTER-MAIN SYSTEM	3211	MAIN LANDING GEAR ATTACH SECTION
2613 OVERHEAT DETECTION	2913	HYDRAULIC PUMP. ELECT-ENGMAIN	3212	EMERGENCY FLOTATION SECTION
2620 EXTINGUISHING SYSTEM	2914	HYDRAULIC HANDPUMP-MAIN	3213	MAIN LANDING GEAR STRUT/AXLE/TRUCK
2621 FIRE BOTTLE, FIXED	2915	HYDRAULIC PRESSURE RELIEF VLV-MAIN	3220	NOSE/TAIL LANDING GEAR
2622 FIRE BOTTLE, PORTABLE	2916	HYDRAULIC RESERVOIR-MAIN	3221	NOSE/TAIL LANDING GEAR ATTACH SECTION
27 FLICHT CONTROLS	2917	HYDRAULIC PRESSURE REGULATOR-MAIN	3222	NOSE/TAIL LANDING GEAR STRUT/AXLE
27 FLIGHT CONTROLS	2920	HYDRAULIC, AUXILIARY SYSTEM	3230	LANDING GEAR RETRACT/EXT. SYSTEM
2700 FLIGHT CONTROL SYSTEM	2921	HYDRAULIC ACCUMULATOR-AUXILIARY	3231	LANDING GEAR DOOR RETRACT SECTION
2701 CONTROL COLUMN SECTION	2922	HYDRAULIC FILTER-AUXILIARY	3232	LANDING GEAR DOOR ACTUATOR
2710 AILERON CONTROL SYSTEM	2923	HYDRAULIC PUMP-AUXILIARY	3233	LANDING GEAR ACTUATOR
2711 AILERON TAB CONTROL SYSTEM	2925	HYDRAULIC PRESSURE RELIEF-AUXILIARY	3234	LANDING GEAR SELECTOR
2720 RUDDER CONTROL SYSTEM	2926	HYDRAULIC RESERVOIR-AUXILIARY	3240	LANDING GEAR BRAKE SYSTEM
2721 RUDDER TAB CONTROL SYSTEM	2927	HYDRAULIC PRESSURE REGULATOR-AUX.	3241	BRAKE ANTI-SKID SECTION
2722 RUDDER ACTUATOR	2930	HYDRAULIC SYSTEM INDICATING	3242	BRAKE
2730 ELEVATOR CONTROL SYSTEM	2931	HYDRAULIC PRESSURE INDICATOR	3243	MASTER CYL/BRAKE VALVE
2731 ELEVATOR TAB CONTROL SYSTEM	2932	HYDRAULIC PRESSURE SENSOR	3244	TIRE
2740 STABILIZER CONTROL SYSTEM	2933	HYDRAULIC QUANTITY INDICATOR	3245	TIRE TUBE
2741 STABILIZER POSITION INDICATING	2934	HYDRAULIC QUANTITY SENSOR	3246	WHEEL/SKI/FLOAT
2742 STABILIZER ACTUATOR	30	CE AND RAIN PROTECTION	3250	LANDING GEAR STEERING SYSTEM
2750 TE FLAP CONTROL SYSTEM			3251	STEERING UNIT
2751 TE FLAP POSITION IND. SYSTEM	3000	ICE/RAIN PROTECTION SYSTEM	3252	SHIMMY DAMPER
2752 TE FLAP ACTUATOR	3010	AIRFOIL ANTI/DE-ICE SYSTEM	3260	LANDING GEAR POSITION & WARNING
2760 DRAG CONTROL SYSTEM	3020	AIR INTAKE ANTI/DE-ICE SYSTEM	3270	AUXILIARY GEAR (TAIL SKID)
2761 DRAG CONTROL ACTUATOR	3030 3040	PITOT/STATIC ANTI-ICE SYSTEM WINDSHIELD/DOOR RAIN/ICE REMOVAL	33 L	IGHTS
2770 GUST LOCK/DAMPER SYSTEM	3040	ANTENNA/RADOME ANTI-ICE/DE-ICE SYSTEM		
2780 LE FLAP CONTROL SYSTEM	3050	PROP/ROTOR ANTI-ICE/DE-ICE SYSTEM	3300	LIGHTING SYSTEM
2781 LE FLAP POSITION IND. SYSTEM	3070	WATER LINE ANTI-ICE SYSTEM	3310	FLIGHT COMPARTMENT LIGHTING
2782 LE FLAP ACTUATOR	3070	ICE DETECTION	3320	PASSENGER COMPARTMENT LIGHTING
28 FUEL			3330	CARGO COMPARTMENT LIGHTING
2800 AIRCRAFT FUEL SYSTEM	<u>31</u>	<u>INSTRUMENTS</u>	3340 3350	EXTERIOR LIGHTING EMERGENCY LIGHTING
2810 FUEL STORAGE	3100	INDICATING/RECORDING SYSTEM		
2820 ACFT FUEL DISTRIB. SYSTEM	3110	INSTRUMENT PANEL	<u>34 N</u>	AVIGATION
2821 ACFT FUEL FILTER/STRAINER	3120	INDEPENDENT INSTRUMENTS (CLOCK, ETC.)	3400	NAVIGATION SYSTEM
2822 FUEL BOOST PUMP	3130	DATA RECORDERS (FLT/MAINT)	3410	FLIGHT ENVIRONMENT DATA
2823 FUEL SELECTOR/SHUTOFF VALVE	3140	CENTRAL COMPUTERS (EICAS)	3411	PITOT/STATIC SYSTEM
2824 FUEL TRANSFER VALVE	3150	CENTRAL WARNING	3412	OUTSIDE AIR TEMP. IND./SENSOR
2830 FUEL DUMP SYSTEM	3160	CENTRAL DISPLAY	3413	RATE OF CLIMB INDICATOR
2840 ACFT FUEL INDICATING	3170	AUTOMATIC DATA	3414	AIRSPEED/MACH INDICATING
2841 FUEL QUANTITY INDICATOR			3415	HIGH SPEED WARNING
2842 FUEL QUANTITY SENSOR			3416	ALTIMETER, BAROMETRIC/ENCODER
2843 FUEL TEMPERATURE INDICATING				

2844 FUEL PRESSURE INDICATOR

34 NAVIGATION CONT'D	37 VACUUM	5247 APU DOORS
3417 AIR DATA COMPUTER	3700 VACUUM SYSTEM	5248 TAIL CONE DOORS
3418 STALL WARNING SYSTEM	3710 VACUUM DISTRIBUTION SYSTEM	5250 FIXED INNER DOORS
3420 ATTITUDE AND DIRECTION DAT	A SYSTEM 3720 VACUUM INDICATING SYSTEM	5260 ENTRANCE STAIRS
3421 ATTITUDE GYRO & IND. SYSTEM	1	5270 DOOR WARNING SYSTEM
3422 DIRECTIONAL GYRO & IND. SYS	38 WAIER/WASIE	5280 LANDING GEAR DOORS
3423 MAGNETIC COMPASS	3800 WATER & WASTE SYSTEM	53 FUSELAGE
3424 TURN & BANK/RATE OF TURN II	NDICATOR 3810 POTABLE WATER SYSTEM	5300 FUSELAGE STRUCTURE (GENERAL)
3425 INTEGRATED FLT. DIRECTOR SY	STEM 3820 WASH WATER SYSTEM	5301 AERIAL TOW EQUIPMENT
3430 LANDING & TAXI AIDS	3830 WASTE DISPOSAL SYSTEM	5302 ROTORCRAFT TAIL BOOM
3431 LOCALIZER/VOR SYSTEM	3840 AIR SUPPLY (WATER PRESS. SYSTEM	M) 5310 FUSELAGE MAIN STRUCTURE
3432 GLIDE SLOPE SYSTEM 3433 MICROWAVE LANDING SYSTEM	45 CENTRAL MAINT. SYSTEM	5311 FUSELAGE MAIN FRAME 5312 FUSELAGE MAIN BULKHEAD
3434 MARKER BEACON SYSTEM	4500 CENTRAL MAINT. COMPUTER	5312 FUSELAGE MAIN BULKHEAD 5313 FUSELAGE MAIN LONGERON/STRINGER
3435 HEADS UP DISPLAY SYSTEM	Joseph General Marketti Goldin Gren	5314 FUSELAGE MAIN KEEL
3436 WIND SHEAR DETECTION SYSTI	49 AIRBORNE AUXILIARY POWER	5314 FUSELAGE MAIN REEL 5315 FUSELAGE MAIN FLOOR BEAM
3440 INDEPENDENT POS. DETERMINI	NO CYCTEM	5320 FUSELAGE MISCELLANEOUS STRUCTURE
3441 INERTIAL GUIDANCE SYSTEM	4900 AINBONNE AFO STSTEM	5321 FUSELAGE FLOOR PANEL
3442 WEATHER RADAR SYSTEM	4910 A PU COW LING/CONTAINMENT	5322 FUSELAGE INTERNAL MOUNT STRUCTURE
3443 DOPPLER SYSTEM	4920 APU CORE ENGINE	5323 FUSELAGE INTERNAL STAIRS
3444 GROUND PROXIMITY SYSTEM	4930 A PU ENGINE FUEL & CONTROL	5324 FUSELAGE FIXED PARTITIONS
3445 AIR COLLISION AVOIDANCE SY	4940 A PU START/IGNITION SYSTEM STEM (TCAS) 4950 A PU BLEED AIR SYSTEM	5330 FUSELAGE MAIN PLATE/SKIN
3446 NON RADAR WEATHER SYSTEM	4930 AFO BEEED AIR STOTEM	5340 FUSELAGE MAIN ATTACH FITTINGS
3450 DEPENDENT POSITION DETERM	NINC SYSTEM 4900 AFO CONTROLS	5341 WING ATTACH FITTINGS (ON FUSELAGE)
3451 DME/TACAN SYSTEM	4970 APO INDICATING SYSTEM	5342 STABILIZER ATTACH FITTINGS
3452 ATC TRANSPONDER SYSTEM		5343 LANDING GEAR ATTACH FITTINGS
3453 LORAN SYSTEM	4990 APU OIL SYSTEM	5344 FUSELAGE DOOR HINGES
3454 VOR SYSTEM	51 STANDARD PRACTICES/STRUCT	
3455 ADF SYSTEM		5346 DOWEDDIANT ATTACH FITTINGS
3456 OMEGA NAVIGATION SYSTEM	5100 STANDARD PRACTICES/STRUCTURE	5347 SEAT/CARGO ATTACH FITTINGS
3457 GLOBAL POSITIONING SYSTEM	5101 AIRCRAFT STRUCTURES	5350 FUSELAGE AERODYNAMIC FAIRINGS
3460 FLIGHT MANAGE. COMPUTING	SYSTEM 5102 BALLOON REPORTS	54 NACELLES/PYLONS
25 OVVCEN	52 DOORS	
35 OXYGEN	<u>52 DOORS</u>	5400 NACELLE/PYLON STRUCTURE
3500 OXYGEN SYSTEM	5200 DOORS	5410 MAIN FRAME (ON NACELLE/PYLON)
3510 CREW OXYGEN SYSTEM	5210 PASSENGER/CREW DOORS	5411 FRAME/SPAR/RIB(NACELLE/PYLON)
3520 PASSENGER OXYGEN SYSTEM	5220 EMERGENCY EXIT	5412 BULKHEAD/FIREWALL (NAC/PYLON)
3530 PORTABLE OXYGEN SYSTEM	5230 CARGO/BAGGAGE DOORS	5413 LONGERON/STRINGER (NAC/PYLON)
36 PNEUMATIC	5240 SERVICE DOORS	5414 PLATE SKIN (NAC/PYLONS)
	5241 GALLEY DOORS	5415 ATTACH FITTINGS (NAC/PYLON)
3600 PNEUMATIC SYSTEM	5242 F/E COMPARTMENT DOORS	<u>55 STABILIZERS</u>
3610 PNEUMATIC DISTRIBUTION SYS	TEM 5243 HYDRAULIC COMPARTMENT DOORS	5500 EMPENNAGE STRUCTURE
3620 PNEUMATIC INDICATING SYSTE	M 5244 ACCESSORY COMPARTMENT DOORS	
	5245 AIR CONDITIONING COMPART. DOOR	RS 5511 HORIZONTAL STABILIZER SPAR/RIB
	5246 FLUID SERVICE DOORS	5512 HORIZONTAL STABILIZER PLATE/SKIN
		5513 HORIZONTAL STABILIZER TAB STRUCTURE
		5520 ELEVATOR STRUCTURE

55 STABILIZERS CONT'D	61 PROPELLERS/PROPULSORS	67 ROTORS FLIGHT CONTROL
5521 ELEVATOR SPAR/RIB STRUCTURE	6100 PROPELLER SYSTEM	6700 ROTORCRAFT FLIGHT CONTROL
5522 ELEVATOR PLATES/SKIN STRUCTURE	6110 PROPELLER ASSEMBLY	6710 MAIN ROTOR CONTROL
5523 ELEVATOR TAB STRUCTURE	6111 PROPELLER BLADE SECTION	6711 TILT ROTOR FLIGHT CONTROL
5530 VERTICAL STABILIZER STRUCTURE	6112 PROPELLER DE-ICE BOOT SECTION	6720 TAIL ROTOR CONTROL SYSTEM
5531 VERTICAL STABILIZER SPAR/RIB STRUCTURE	6113 PROPELLER SPINNER SECTION	6730 ROTORCRAFT SERVO SYSTEM
5532 VERTICAL STABILIZER PLATES/SKIN	6114 PROPELLER HUB SECTION	
5533 VENTRAL STRUCTURE (ON VERT. STAB)	6120 PROPELLER CONTROL SYSTEM	71 POWERPLANT
5540 RUDDER STRUCTURE	6121 PROPELLER SYNCHRONIZER SECTION	7100 POWERPLANT SYSTEM
5541 RUDDER SPAR/RIB STRUCTURE	6122 PROPELLER GOVERNOR	7110 ENGINE COWLING SYSTEM
5542 RUDDER PLATE/SKIN STRUCTURE	6123 PROPELLER FEATHERING/REVERSING	7111 COWL FLAP SYSTEM
5543 RUDDER TAB STRUCTURE	6130 PROPELLER BRAKING	7112 ENGINE AIR BAFFLE SECTION
5550 EMPENNAGE FLT. CONT. ATTACH FITTING	6140 PROPELLER INDICATING SYSTEM	7120 ENGINE MOUNT SECTION
5551 HORIZONTAL STABILIZER ATTACH FITTING		7130 ENGINE FIRESEALS
5552 ELEVATOR/TAB ATTACH FITTINGS	62 MAIN ROTOR	7160 ENGINE AIR INTAKE SYSTEM
5553 VERT. STAB. ATTACH FITTINGS	6200 MAIN ROTOR SYSTEM	7170 ENGINE DRAINS
5554 RUDDER/TAB ATTACH FITTINGS	6210 MAIN ROTOR BLADES	
	6220 MAIN ROTOR HEAD	72 TURBINE/TURBOPROP ENGINE
56 WINDOWS	6230 MAIN ROTOR MAST/SWASHPLATE	7200 ENGINE (TURBINE/TURBOPROP)
5600 WINDOW/WINDSHIELD SYSTEM	6240 MAIN ROTOR INDICATING SYSTEM	7210 TURBINE ENGINE REDUCTION GEAR
5610 FLIGHT COMPARTMENT WINDOWS		7220 TURBINE ENGINE AIR INLET SECTION
5620 PASSENGER COMPARTMENT WINDOWS	63 MAIN ROTOR DRIVE	7230 TURBINE ENGINE COMPRESSOR SECTION
5630 DOOR WINDOWS	6300 MAIN ROTOR DRIVE SYSTEM	7240 TURBINE ENGINE COMBUSTION SECTION
5640 INSPECTION WINDOWS	6310 ENGINE/TRANSMISSION COUPLING	7250 TURBINE SECTION
3040 MOI EOTION WINDOWS	6320 MAIN ROTOR GEARBOX	7260 TURBINE ENGINE ACCESSORY DRIVE
57 WINGS	6321 MAIN ROTOR BRAKE	7261 TURBINE ENGINE OIL SYSTEM
5700 WING STRUCTURE	6322 ROTORCRAFT COOLING FAN SYSTEM	7270 TURBINE ENGINE BYPASS SECTION
5710 WING MAIN FRAME STRUCTURE	6330 MAIN ROTOR TRANSMISSION MOUNT	
5711 WING SPAR STRUCTURE	6340 ROTOR DRIVE INDICATING SYSTEM	73 ENGINE FUEL & CONTROL
5712 WING STAR STRUCTURE		7300 ENGINE FUEL & CONTROL
5713 WING KID STRUCTURE 5713 WING LONGERON/STRINGER	64 TAIL ROTOR	7310 ENGINE FUEL DISTRIBUTION
5714 WING CENTER BOX	6400 TAIL ROTOR SYSTEM	7311 ENGINE FUEL-OIL COOLER
5720 WING MISCELLANEOUS STRUCTURE	6410 TAIL ROTOR BLADE	7312 FUEL HEATER
5730 WING PLATES/SKINS	6420 TAIL ROTOR HEAD	7313 FUEL INJECTOR NOZZLE
5740 WING ATTACH FITTINGS	6440 TAIL ROTOR INDICATING SYSTEM	7314 ENGINE FUEL PUMP
5741 WING, FUSELAGE ATTACH FITTINGS		7320 FUEL CONTROLLING SYSTEM
5742 WING, NAC/PYLON ATTACH FITTINGS	65 TAIL ROTOR DRIVE	7321 FUEL CONTROL/ELECTRONIC
5743 WING, LANDING GEAR ATTACH FITTINGS		7322 FUEL CONTROL/CARBURETOR
5744 CONTROL SURFACE ATTACH FITTINGS	6500 TAIL ROTOR DRIVE SYSTEM	7323 TURBINE GOVERNOR
5750 WING CONTROL SURFACE STRUCTURE	6510 TAIL ROTOR DRIVE SHAFT	7324 FUEL DIVIDER
5751 AILERON STRUCTURE	6520 TAIL ROTOR GEARBOX	7330 ENGINE FUEL INDICATING SYSTEM
5751 AILERON STRUCTURE	6540 TAIL ROTOR DRIVE INDICATING SYSTEM	7331 FUEL FLOW INDICATING
5753 TE FLAP STRUCTURE		7332 FUEL PRESSURE INDICATING
5754 LEADING EDGE DEVICE STRUCTURE		7333 FUEL FLOW SENSOR
5755 SPOILER STRUCTURE		7333 FUEL PRESSURE SENSOR
3733 SPUILER STRUCTURE		1007 I DEL I NEODONE DENDON

74	<u>IGNITION</u>	<u>78 E</u>	ENGINE EXHAUST	8530	RECIPROCATING ENGINE CYLINDER SECTION
7400	IGNITION SYSTEM	7800	ENGINE EXHAUST SYSTEM	8540	RECIPROCATING ENGINE REAR SECTION
7410	IGNITION POWER SUPPLY	7810	ENGINE COLLECTOR/TAILPIPE/NOZZLE	8550	RECIPROCATING ENGINE OIL SYSTEM
7411	LOW TENSION COIL	7820	ENGINE NOISE SUPPRESSOR		
7412	EXCITER	7830	THRUST REVERSER		
7413	INDUCTION VIBRATOR				
7414	MAGNETO/DISTRIBUTOR	79 I	ENGINE OIL		
7420	IGNITION HARNESS (DISTRIBUTION)	<u> </u>			
7421	SPARK PLUG/IGNITER	7900	ENGINE OIL SYSTEM (AIRFRAME)		
7430	IGNITION SWITCHING	7910	ENGINE OIL STORAGE (AIRFRAME)		
		7920	ENGINE OIL DISTRIBUTION (AIRFRAME)		
<u>75</u>	<u>AIR</u>	7921	ENGINE OIL COOLER		
7500	ENGINE BLEED AIR SYSTEM	7922	ENGINE OIL TEMP. REGULATOR		
7510	ENGINE ANTI-ICING SYSTEM	7923	OIL SHUTOFF VALVE		
7520	ENGINE COOLING SYSTEM	7930	ENGINE OIL INDICATING SYSTEM		
	COM PRESSOR BLEED CONTROL	7931	ENGINE OIL PRESSURE		
7530	COMPRESSOR BLEED CONTROL COMPRESSOR BLEED GOVERNOR	7932	ENGINE OIL QUANTITY		
7531	COMPRESSOR BLEED GOVERNOR COMPRESSOR BLEED VALVE	7933	ENGINE OIL TEMPERATURE		
7532					
7540	BLEED AIR INDICATING SYSTEM	80 9	<u>STARTING</u>		
<u>76</u>	ENGINE CONTROLS	8000	ENGINE STARTING SYSTEM		
7600	ENGINE CONTROLS	8010	ENGINE CRANKING		
7600	ENGINE CONTROLS ENGINE SYNCHRONIZING	8011	ENGINE STARTER		
7601		8012	ENGINE START VALVES/CONTROLS		
7602	MIXTURE CONTROL	0012	ENGINE OTAKT VALVEO/OONTROLO		
7603	POWER LEVER	81	TURBOCHARGING		
7620	ENGINE EMERGENCY SHUTDOWN SYSTEM		<u> </u>		
77	ENGINE INDICATING	8100	EXHAUST TURBINE SYSTEM (RECIP)		
		8110	POWER RECOVERY TURBINE (RECIP)		
7700	ENGINE INDICATING SYSTEM	8120	EXHAUST TURBOCHARGER		
7710	POWER INDICATING SYSTEM				
7711	ENGINE PRESSURE RATIO (EPR)	<u>82</u>	WATER INJECTION		
7712	ENGINE BM EP/TORQUE INDICATING	8200	WATER INJECTION SYSTEM		
7713	MANIFOLD PRESSURE (MP) INDICATING				
7714	ENGINE RPM INDICATING SYSTEM	83	ACCESSORY GEARBOXES		
7720	ENGINE TEMP. INDICATING SYSTEM	8300	ACCESSORY GEARBOXES		
7721	CYLINDER HEAD TEMP (CHT) INDICATING	0000	NOOLOGOKT GEMIDONEG		
7722	ENG. EGT/TIT INDICATING SYSTEM	8.5	RECIPROCATING ENGINE		
7730	ENGINE IGNITION ANALYZER SYSTEM				
7731	ENGINE IGNITION ANALYZER	8500	ENGINE (RECIPROCATING)		
7732	ENGINE VIBRATION ANALYZER	8510	RECIPROCATING ENGINE FRONT SECTIO		
7740	ENGINE INTEGRATED INSTRUMENT SYSTEM	8520	RECIPROCATING ENGINE POWER SECTION	N	

MECHANICS CREED

UPON MY HONOR I swear that I shall hold in sacred trust the rights and privileges conferred upon me as a certified mechanic. Knowing full well that the safety and lives of others are dependent upon my skill and judgment, I shall never knowingly subject others to risks which I would not be willing to assume for myself, or for those dear to me.

IN DISCHARGING this trust, I pledge myself never to undertake work or approve work which I feel to be beyond the limits of my knowledge; nor shall I allow any non-certificated superior to persuade me to approve aircraft or equipment as airworthy against my better judgment; nor shall I permit my judgment to be influenced by money or other personal gain; nor shall I pass as airworthy aircraft or equipment about which I am in doubt, either as a result of direct inspection or uncertainty regarding the ability of others who have worked on it to accomplish their work satisfactorily.

I REALIZE the grave responsibility which is mine as a certified airman, to exercise my judgment on the airworthiness of aircraft and equipment. I, therefore, pledge unyielding adherence to these precepts for the advancement of aviation and for the dignity of my vocation.